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NATIONAL WATER QUALITY NETWORK: ANNUAL COMPILATION OF DATA, OCTOBER 1, 1957 - SEPTEMBER 30, 1958

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio

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National Water Quality Network

ANNUAL COMPILATION OF DATA

October 1, 1957 - September 30, 1958

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A Federal, State and local cooperative report on water quality determinations of surface waters at selected locations throughout the United States

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BUREAU OF STATE SERVICES
Division of Sanitary Engineering Services
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Robert A. Taft Sanitary Engineering Center

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FOREWORD

To solve any problem the first step is to ascertain the facts. In the field of public health this may involve an epidemiological investigation, a sanitary survey, or an analysis of vital statistics on morbidity and mortality. For water pollution problems, we must have basic facts on water quality, and the natural and man-made conditions affecting this quality, for these "vital statistics" are essential to the control of water pollution.

The Presidential Advisory Committee on Water Resources Policy in 1955 recognized a strong need for more information on what is happening to the quality of the Nation's waters and recommended an expanded program of basic data collection and evaluation. In the following year the 84th Congress incorporated these recommendations in the Federal Water Pollution Control Act by providing for a Federal-State-local cooperative program to collect and disseminate basic data on water pollution and its prevention.

Documented here is a progress report on the first year's operation in the collection of basic water quality data by the Public Health Service under this Act. It is expected that the present limited coverage will be expanded as new arrangements and procedures evolve.

We sincerely thank the many local, State, and interstate agencies and industrial concerns whose staffs gave freely of their time and resources in the collection of these data.

L. E. Burney, M. D.
Surgeon General
U. S. Public Health Service

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NATIONAL WATER QUALITY NETWORK

The Public Health Service program for providing fundamental information on the quality of our Nation's waters stems from the provisions of Section 4(c) of Public Law 660, enacted on July 9, 1956, which states that "... the Surgeon General shall, in cooperation with other Federal, State, and local agencies having related responsibilities, collect and disseminate basic data on chemical, physical, and biological water quality insofar as such data or other information relate to water pollution and the prevention and control thereof."

Following discussions with Federal, interstate, State, and local agencies having allied responsibilities, it was agreed that the over-all objectives of the program should provide:

a. Long-term information on changes in water quality at key points in river systems, as such quality may be affected by change in water use and development.

b. Continuous information on the nature and extent of pollutants affecting water quality.

c. Data which will be useful in the development of comprehensive water resources programs.

d. Data which will assist State, interstate, and other agencies in their water pollution control programs, and in the selection of sites for legitimate water uses.

Approximately 50 sampling locations were authorized for the initial phase of this program, starting October 1, 1957. To conform with existing practices in other water resources activities, the data year has been fixed as running from October 1 of each year to September 30 of the following year.

Each location was selected to satisfy one or more of the following criteria:

a. Major waterways used for public water supply, propagation of fish and wildlife, recreational purposes, and agricultural, industrial, and other legitimate uses.

b. Interstate, coastal, and International Boundary waters.

c. Waters on which activities of the Federal Government may have an impact.

Final locations of sampling locations were fixed after discussions with local, State, Federal and other agencies invited to participate.

Active local participation is an important part of this operation and assures the development of the maximum amount of information of value locally and nationally. The cost of the program is being shared by State and local agencies and the Federal government. Local laboratories are contributing by performing many of the conventional chemical analyses and by collecting samples for the newer, more complex examinations. The Public Health Service in turn is responsible for performing the more complex determinations and for making the results available to the collaborating agencies. In addition, the consultation, training facilities, and other resources of the Public Health Service are available to the participating agencies.

The locations of the 51 sampling stations presently in operation are shown in Figure 1. A description of the stations, with the participating agencies in each case, is presented in Table 1.

After careful screening, and consultation with the various agencies concerned with water quality management and water resources development, the following examinations were considered to be of greatest value in meeting the objectives of the program at this time:

a. Radioactivity

b. Plankton organisms

c. Coliform organisms

d. Organic chemicals

e. Biochemical, chemical, and physical measurements, including biochemical oxygen demand (B.O.D.), dissolved oxygen (D.O.), chemical oxygen demand (C.O.D.), chlorine demand, ammonia nitrogen, hydrogen ion concentration (pH), color, turbidity, temperature, alkalinity (or acidity), hardness, and chloride. Sulfate and total dissolved solids analyses were begun in the water year too late to permit inclusion in this report.

At the start of the program, samples for radioactivity, coliform organisms, and the conventional analyses were collected and analyzed weekly. Samples for organic chemicals and plankton organisms were collected and examined monthly. As the program progresses, each of these examinations will be evaluated with respect to the value of the information gained. As new parameters are developed and found significant, these will be included. Others

may be run less frequently or dropped as the needs of the program demand.

This compilation presents the results of the first year's sampling and laboratory activities. Because of the many problems attendant upon initiating an activity of this type, data are not complete for each of the stations. All available data, however, are included in the tabulations.

ANALYTICAL METHODS AND RELIABILITY OF DATA

The data compiled in this publication are the results of cooperative efforts of the several laboratories listed in table 1. In general, most of the biochemical, chemical, and physical measurements were contributed by these agencies. While it is recognized that modifications to meet local conditions are made by individual laboratories, the methods used in most cases were those published in the 10th Edition of Standard Methods for the Examination of Water, Sewage, and Industrial Wastes. For uniformity, the chlorine demand test was reported on the basis of the Starch-Iodide titration procedure, and the chemical oxygen demand test was restricted to the use of 0.025 N reagents.

To assure continued precision and accuracy in the published data, frequent analysis of reference samples by each cooperating laboratory was established as a part of the over-all program. Periodically a synthetic standard sample, whose qualitative make-up was given but whose concentration was not given, was provided to each participant. The reported results were reviewed. Any gross errors were called to the attention of the reporting laboratory and, after the cause of the errors had been determined, the previously submitted data were either corrected or discarded. From these findings, the analyses reported in this compilation are believed to be accurate to ± 10% of the reported values.

WATER QUALITY PARAMETERS

In the assessment of water quality all of the purposes for which the waters are to be used must be considered. These may range from the minimum standards necessary for navigation to the ultimate in water quality demanded for special industrial processing. As a result, standards of quality differ considerably for various uses.

For domestic use, water must be free of disease organisms, clear, colorless, taste and odor free, and have a relatively low dissolved mineral content. Agricultural water is judged primarily on its mineral content, especially with respect to the ratio between sodium and other cations, and the presence of boron. Water for fish propagation and recreational purposes must be relatively free from domestic and industrial pollution and must be able to sustain an active flora of the smaller aquatic organisms on which fish and wildlife feed. Industrial water quality demands run the gamut from the complete absence of minerals to a requirement of low temperature, the critical factor of water used for cooling. For all these uses the effects of radioactivity have not yet been fully appraised.

The various laboratory examinations made as part of this program are discussed below.

RADIOACTIVITY DETERMINATIONS

Radioactivity, long recognized as a contaminant of water from natural sources, continues to grow in importance and health significance with the development of nuclear energy for both military and peaceful use. It is extremely important that background levels be catalogued now when the nuclear energy industry is in its infancy. Levels of radioactivity must be measured continually as new sources are established.

Gross alpha and beta measurements are made on both suspended and dissolved solids in the raw surface water samples. The total radioactivity thus measured indicates the gross contamination. The radioactivity levels of dissolved solids provide a rough measure of the levels which may be found in a treated water, where water treatment removes substantially all of the suspended matter. Alpha activity levels reflect the activity added by uranium and thorium daughters. Beta activity levels generally reflect the variable contamination due to fallout, nuclear energy installations, institutions utilizing radioactive materials, and other man-made sources.

PLANKTON POPULATIONS

Many aquatic organisms are sensitive to the various substances which pollute water. Some organisms develop only in relatively clean water while others may be stimulated to live and multiply in the presence of certain types of pollutants, especially household sewage and various types of organic industrial wastes. A very large population of algae is induced to develop by the mineralized products of sewage decomposition when nitrates and phosphates are made available as nutrients.

The plankton counts give the numbers, kinds, and times of occurrence of algae and other aquatic microorganisms in the water. This information is useful in determining the pollutional status of any water supply. It also is important in indicating the relative numbers of those organisms which cause problems in the treatment and use of water.

Most of these organisms interfere with water use through shortening of filter runs in treatment plants, and by causing tastes,

odors, coloration, and various physical and chemical changes in the water. By reference to the plankton counts, made regularly and frequently, it is possible to note the types and numbers of interference organisms and to determine the procedures that will be needed in preparing the water for use.

Plankton counts will be particularly useful in water quality evaluation when they have been recorded over a period of time to indicate variations in kinds and numbers of organisms from month to month and from year to year.

Reliability of Data

The results are a reliable indication of general trends in the plankton growths and will become more so as collections become more frequent.

The counting procedures used are aimed at bringing about maximum accuracy in the reported data. The procedures involve the standardization and simplification of methods of enumeration of each type of the many organisms observed. The actual volume of sample which is used for the analysis is relatively large, and this tends to produce greater accuracy since the factors used in extrapolation to ml. are low, and variations caused by uneven distribution of organisms are accounted for. Organisms are identified to genus, genus group, or species.

No satisfactory method is at present available for separating the plankton organisms from the silt particles that are responsible for much of the turbidity in water and which also interfere with observation of plankton under the microscope. Accurate plankton analysis of water from turbid streams is therefore carried out with considerable difficulty.

Unusual Observations

In addition to the true planktonic organisms, the benthic (bottom) organisms are often present in the water, especially after periods of rainfall when the latter are washed into the water from their normal habitats. Examples of these are the stalked diatoms Gomphonema, Achnanthes and Cymbella, some motile forms of Navicula, and attached filamentous algae such as Stigeoclonium, Oedogonium and Ulothrix. Rain water also carries into the stream various fragments of tissues from land plants and animals. Pollen grains, mold spores, and plant hairs which drop into the water from the atmosphere are also frequently encountered.

ORGANIC CHEMICALS

The Nation's water resources are receiving an increasing quantity of organic contaminants. Most of these chemicals come from the discharge of domestic and industrial wastes, while some are due to runoff and may be natural substances or agricultural chemicals used as insecticides, herbicides, and the like. Chemical sales, which have doubled between 1940 and 1950, are expected to double again by 1975. Organic chemicals of a complex nature will constitute a large share of this production, and will be found in waste effluents in increasing quantities.

Effective and economical treatment methods for many of the complex organic materials remain to be developed. Even where treatment exists, residues remain in sufficient quantity to cause water damage. These stable residues persist through sewage treatment, biological and chemical action of the stream, and water treatment processes, and finally reach the consumer in drinking water.

The presence of some of these materials, even at concentrations less than 1 part per million, may cause impairment of water quality, most noticeably in production of tastes and odors. Fishflesh tainting, also quickly noticed by the consumer, is another damage. Effects on water treatment, many of which are ill-defined at present, and impairment of water quality for industrial uses are being reported with increasing frequency.

The usual sanitary analyses are not effective in measuring these newer organic contaminants. Yet it is desirable to know something of the concentrations and character of such materials. A concentration method known as the "Carbon Filter Technique" has been developed which permits the concentration of these organic compounds from a large volume of water. Elutriation of the adsorbed materials with an organic solvent, followed by chemical separation and testing, provides useful information concerning organic pollution and provides a method for monitoring river systems for these substances.

It is difficult to say what part of the "total organic" content is measured, since there is no accurate method for measuring the low concentrations of organics. Work with known solutions has indicated that adsorption may be close to 100% and that desorption under the conditions of the test may range from 50% to 90%. The sampling and analytical techniques are reproducible within ± 10% when applied to replicate samples. Hence, relative pollutional loads on streams can be compared even though the absolute quantity may not be known with accuracy.

Following continuous filtration of about 5000 gallons of water over a ten to fourteen day period, the carbon filter is extracted with two solvents, chloroform and alcohol.

Chloroform Extracts

The organic residue recovered from the carbon filter by chloroform is very complex. It is desirable to separate the crude

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extract into certain broad chemical classes. This separation can be done using solubility differences. The various separated groups and their significance are discussed briefly below.

Ether Insolubles

This group is usually a brown, humus-like powder, apparently composed to a large extent of carboxylic acids, ketones, and alcohols of complicated structure. Origin of the group, which is an indicator of "old" pollution, is probably partially oxidized sewage and industrial wastes. The Ohio River at Cincinnati, for example, has been exposed to much industrial and sewage pollution and hence large amounts of ether insoluble materials are found. Cleaner streams have little or no ether insolubles. Chloroform extracts contain from 0 to 30% of ether insoluble material.

Water Solubles

These substances are largely acidic and undistillable at moderate temperatures, but their solubility in ether indicates that the molecules are smaller and probably simpler than the ether-insolubles. On the other hand, their water solubility practically requires the presence of several functional groups, such as hydroxy-acid, keto-acid, and keto-alcohol. Such compounds probably originate from partial oxidation of hydrocarbons or they may be natural substances. These materials usually make up 10% to 20% of the total extract. They have very little odor.

Weak Acids

This group is characterized by being removed from ether solution with sodium hydroxide but not with sodium bicarbonate. Phenols are the best known weak acids and, if present in the water, appear in this group. Other weakly acidic compounds include certain enols, imides, sulfonamides, and some sulfur compounds. Weakly acidic materials also occur in nature. These materials commonly constitute 5% to 20% of the chloroform extract, and they are odorous.

Strong Acids

These acids are usually the carboxylic acids such as acetic, benzoic, salicylic, butyric, etc. They are classified as strong in reference to carbonic acid but all are actually weak if compared with a mineral acid such as sulfuric. Many of the compounds are used industrially but they may also be produced by natural processes such as fermentation. The total extract contains from 5% to 20% of this fraction. The significance of the presence of such materials can be interpreted only in the light of stream pollution conditions. Some of the materials are highly odorous.

Bases

These compounds are organic amines. Such materials as aniline and pyridine are amines of commerce. Lower amines may occur as a result of decomposition. Only 1% or 2% of these compounds are found in the extracts from most rivers. Although odorous, the low concentrations found are not likely to cause objectionable conditions. However, in the case of specific amine-containing wastes the compounds can be of considerable importance.

Neutrals

This group of compounds frequently constitutes the major portion of the chloroform extract. It is a significant pollution indicator. Neither basic nor acidic, the materials are less reactive and tend to persist in streams longer than many other types. Hydrocarbons, aldehydes, ketones, esters, and ethers are examples of neutral materials. The group lends itself to further fractionation by means of chromatographic separation into aliphatic, aromatic, and oxygenated sub-groups:

Aliphatics: This fraction represents petroleum type hydrocarbons in a considerable state of purity. A clear, mineral oil type of material usually makes up this fraction. The amount of the material and the percentage present yields important information about the possible source of pollution, since petroleum is the most likely source.

Aromatics: These materials are principally the coal tar hydrocarbons such as benzene, toluene, and a host of others. Presence of any significant amount of such compounds is a reliable indication of industrial pollution. Further, by means of infrared spectrometry, the materials can frequently be identified. By this means DDT has been found in a large number of rivers. Phenyl ether is another organic contaminant that has been isolated from water. The materials are highly odorous. Aromatic chemicals may also be toxic and their appearance in any quantity as water pollutants should receive careful evaluation.

Oxys: These are the neutral compounds containing oxygen, such as aldehydes, ketones, and esters. They may have originated by direct discharge or they may represent oxidation products from both natural and industrial materials. They help to indicate the "age" of the pollution, since pollution exposed to oxidation forces for a long time would be expected to contain large amounts of oxys. For example, freshly collected wastes from a refinery contain large amounts of aliphatics and aromatics but only small amounts of oxys. The materials are odorous.

Losses

These losses are due to inherent manipulative losses in this type of separation. However, if the loss exceeds 10% to 15%, volatile components may have been lost from the sample. Such volatiles may have significance as pollutants.

Alcohol Extracts

The alcohol extractable materials from the carbon filter generally consist of more polar materials than the chloroform extracts and contain synthetic detergents, proteins, carbohydrates, and miscellaneous natural substances. The more industrialized the pollution, the lower the ratio of alcohol to the chloroform extractables. On waters of mixed industrial and domestic pollution, the chloroform and alcohol extractables may be about equivalent. On some streams where the industrial pollution is rather low and much natural pollution and sewage is present, the alcohol extractables may exceed the chloroform by a factor of 4 to 6.

The alcohol extract is usually water-soluble but not ether-soluble. Very little further chemical separation is practical on the material. A recent series of tests revealed that 1% to 12% of the alcohol extracts consists of synthetic detergents.

Other Tests

Infrared spectra are routinely prepared on the total chloroform and alcohol extracts. In addition, spectra are prepared on the most significant groups such as the neutral, aliphatic, aromatic, and oxygenated. These spectra reveal something of the chemical structure of the materials, indicate differences, and in certain instances provide a definite identification of the material. In the case of the alcohol extracts, the infrared will indicate the presence of synthetic detergents if the materials constitute several percent of the extract.

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

The various biochemical, chemical, and physical examinations generally performed by the participating laboratories are discussed below.

Ammonia Nitrogen and Chlorine Demand

The economics of water treatment for domestic use is related to the consumption of chlorine. The greater this demand, the more expensive the treatment. Ammonia nitrogen is responsible for a large portion of the chlorine demand. Its presence in measurable quantity may be due to unstabilized domestic pollution, to industrial waste discharges, or to both. The presence of measurable quantities of nitrogen compounds, not necessarily ammonia, is also an indication of the fertility of the stream toward both macro- and microbiological forms.

Color

Color in domestic water supplies is undesirable. Removal of color in the water treatment process, whether it be from natural or industrial sources, may require large doses of chemicals and be expensive.

Dissolved Oxygen, Biochemical, and Chemical Oxygen Demands

Biochemical processes, in which aquatic organisms attack and stabilize the organic matter present, require dissolved oxygen. If unstable oxidizable organic matter is present in excess, the organisms will multiply rapidly, consuming the oxygen present in the water, and changing the stream characteristics to those of a foul, septic condition. The dissolved oxygen level thus serves to indicate the biochemical activity of the stream. High activity, resulting in low dissolved oxygen levels, will drive out game fish in favor of scavengers. Very low or zero oxygen levels will kill all fish and aquatic organisms dependent on oxygen for life. Temperature and reaeration rates also affect dissolved oxygen levels.

The 5-day biochemical oxygen demand (B.O.D.) indicates the degree of unstabilized organic pollution to which the stream is being subjected. This pollution may originate from domestic sewage discharges, industrial wastes, or both. A significant demand will affect the fish and macroorganism population of a stream. Streams carrying a high B.O.D. seldom contain game fish. On the other hand, game fish will thrive in streams in which the oxygen demand has been stabilized, as this condition is usually favorable for the growth of organisms on which fish feed.

The chemical oxygen demand test serves to support the findings of the biochemical oxygen demand test. It also indicates to what extent the waste load of the stream has been stabilized, or it may indicate the presence of organic and inorganic pollution which is not readily oxidized by biological processes. Because the chemical oxygen demand can be determined quickly in comparison to the biochemical oxygen demand, the establishment of a correlation between the two parameters serves to reduce the number of the latter determinations required. With very few exceptions, the chemical demand results are always higher than the biochemical demand.

Temperature

Temperature is important to both conservation and industry. A few degrees elevation in temperature due to cooling water discharges may seriously limit the capacity of a stream to support fish life. Also, high water-temperatures increase the cost of cooling water for industrial operations. Cooling tower capacities

and other equipment for handling cooling water must be engineered to the temperature levels normally encountered.

Mineral Content

These determinations include alkalinity, hydrogen-ion concentration (pH), hardness, chlorides, sulfates, and total dissolved solids. The pH indicates whether water is acidic or alkaline, corrosive or passive. Alkalinity is a measure of the neutralization reserve present, or the extent to which the water can resist a change from an alkaline to an acid condition upon addition of acidic chemicals. This information is important to the water treatment plant operator and to many other water users.

Hardness is not only a measure of the soap consuming property, but is also of importance in the treatment of boiler waters, where removal of hardness is one of the most important functions. Chloride, sulfate, and total dissolved solids add further information on the gross dissolved mineral content carried by the stream. These are of great importance when considering the taste or palatability of water. They are also important when the water is being demineralized for specific industrial processes, since the cost of demineralization is a direct function of the dissolved solids content of the water. In addition, waters of high saline content are less desirable and may at times even be unfit for municipal, irrigation, and other uses.

Turbidity

Turbidity of water is due to the suspension of clay, silt, finely divided organic matter, microscopic organisms, and other similar materials. Its presence is of particular importance in water treatment processes and in the propagation of fish and other aquatic life.

Coliform Organisms

Information regarding fecal pollution is essential to water quality measurements. Data on coliforms will help to point up the trends in the effectiveness of control of domestic waste discharges.

The delayed incubation membrane filter technique is being used in this program for the coliform examinations. The determination of coliform organisms by the fermentation tube (MPN) method necessitates transportation of fluid water samples to the laboratory for examination. During the elapsed time between collections and examination, microbial content of the samples may change significantly. Some of the many other bacteria present in raw water may overgrow or otherwise inhibit the demonstration of the coliforms. By use of the delayed incubation membrane filter procedure, the bacterial organisms are removed from the fluid sample and sent to the laboratory on a preservative medium. The resulting coliform count is believed to approach very closely the actual number of coliform bacteria present in the water sample at the time of collection.

STREAM FLOWS

While the role of stream flows in water quality management is recognized, such data have not been included in this compilation. The information is available from the United States Geological Survey, the United States Corps of Engineers, and other agencies.

The source of stream flow records is shown in Table 1. For each sampling point there is shown the location of the nearest stream gaging station, the operating agency, and the period of record.

PHS Water Quality Basic Data Program

NETWORK OF SAMPLING STATIONS

Figure 1.

Table 1 - AUTHORIZED SAMPLING STATIONS, COOPERATING AGENCIES, AND STREAM FLOW RECORDS

STATION	MILES ABOVE MOUTH	DESCRIPTION	SAMPLED BY	FIELD ANALYSES BY	OTHER COOPERATING AGENCIES	STREAM FLOW RECORDS		
						NEAREST GAGING STATION	OPERATED BY	PERIOD OF RECORD
ARKANSAS RIVER								
at Ponca City, Oklahoma	645	Osage Station Intake, Oklahoma Gas & Electric Co.	Oklahoma Gas & Electric Co.	Continental Oil Co. U.S.Public Health Service	Oklahoma State Dept.of Health	Ralston, Oklahoma	U.S.Geological Survey	1938 to date
at Coolidge, Kansas	1 099	U.S.Geological Survey Stream Gaging Station	U.S.Geological Survey	U.S.Public Health Service	Kansas State Board of Health Colorado State Dept.of Health	Coolidge,Kansas	U.S.Geological Survey	1903, 1921, 1950 to date
COLORADO RIVER								
at Yuma, Arizona	91	Arizona Water Co. Intake	Arizona Water Co.	Arizona Water Co.	Arizona State Dept.of Health	Yuma, Arizona	U.S.Geological Survey	1878 to date
at Parker Dam, Arizona-California	258	Aqueduct Intake, Metropolitan Water District of Southern California	Metropolitan Water District of Southern California	Metropolitan Water District of Southern California U.S.Public Health Service	California State Dept. of Health California State Water Pollution Control Board	Below Parker Dam	U.S.Geological Survey	1934 to date
at Hoover Dam, Arizona-Nevada	413	Boulder City (Nevada) Water Plant Intake	Boulder City Water Dept.	Boulder City Water Dept.	Nevada State Dept.of Public Health U.S.Bureau of Reclamation	Hoover Dam	U.S.Geological Survey U.S.Bureau of Reclamation	1935 to date
near Loma, Colorado	1,150	Pumping Station at E.R.Smith Farm	Mesa County (Colorado) Dept. of Public Health	Grand Junction (Colorado) Water Dept.	Colorado State Dept. of Public Health	Near Colorado-Utah State Line	U.S.Geological Survey	1951 to date
COLUMBIA RIVER								
near Clatskanie, Oregon	53	Beaver Army Terminal,U.S.Army Transp.,Supply,& Maintenance Command	U.S.Army	U.S.Public Health Service	Oregon State Sanitary Authority	The Dalles, Oregon	U.S.Geological Survey	1878 to date
at Bonneville Dam, Washington-Oregon	145	Bonneville Dam Power House	U.S.Army,Corps of Engineers	Crown Zellerbach Corp.	Oregon State Sanitary Authority Washington State Dept. of Health Washington State Pollution Control Commission	Bonneville Dam	U.S.Army,Corps of Engineers	1925 to date
at Pasco, Washington	327	Municipal Water Plant Intake	Pasco Water Dept.	Pasco Water Dept.	Washington State Dept. of Health Washington State Pollution Control Commission	Trinidad, Washington	U.S.Geological Survey	1913 to date
*at Wenatchee, Washington	465	Plant Intake, Aluminum Co. of America	Aluminum Co. of America	Aluminum Co. of America	Washington State Dept. of Health Washington State Pollution Control Commission	Trinidad, Washington	U.S.Geological Survey	1913 to date
* CONNECTICUT RIVER below Northfield, Mass.	138	State Highway No.10 Bridge	Massachusetts State Dept. of Public Health	Massachusetts State Dept. of Public Health		Vernon, Vermont	U.S.Geological Survey	1936, 1938, 1944 to date

* Inoperative during the water year

Table 1 - AUTHORIZED SAMPLING STATIONS, COOPERATING AGENCIES, AND STREAM FLOW RECORDS (Continued)

STATION	MILES ABOVE MOUTH	DESCRIPTION	SAMPLED BY	FIELD ANALYSES BY	OTHER COOPERATING AGENCIES	STREAM FLOW RECORDS		
						NEAREST GAGING STATION	OPERATED BY	PERIOD OF RECORD
DELAWARE RIVER								
at Philadelphia, Pa.	110	Municipal Water Plant Intake (Torresdale Filters)	Philadelphia Water Dept.	Philadelphia Water Dept.	Pennsylvania State Dept. of Health	Trenton, New Jersey	U.S.Geological Survey	1913 to date
at Easton, Pa.	185	Municipal Water Plant Intake	Easton Water Dept.	Easton Water Dept.	Pennsylvania State Dept. of Health	Belvidere, New Jersey	U.S.Geological Survey	1922 to date
GREAT LAKES								
Lake Erie at Buffalo,N.Y.	-	Municipal Water Plant Intake	Buffalo Water Dept.	Erie County (New York) Health Dept.	New York State Dept. of Health	Cleveland, Ohio (Water stages only)	U.S.Lake Survey	1900 to date
Detroit River at Detroit, Michigan	29	Municipal Water Plant Intake (Water Works Park)	Detroit Board of Water Commissioners	Detroit Board of Water Commissioners	Michigan State Dept.of Health Michigan State Water Resources Commission	Detroit, Michigan	U.S.Lake Survey	1936 to date
Lake Superior at Duluth, Minnesota	-	Municipal Water Plant Intake (Lakewood Pumping Station)	Duluth Water, Gas & Sewage Treatment Dept.	Duluth Water, Gas & Sewage Treatment Dept.	Minnesota State Dept. of Health	Marquette, Michigan (Water stages only)	U.S.Lake Survey	1900 to date
Lake Michigan at Gary, Indiana	-	Gary-Hobart Water Corp.Intake	Gary-Hobart Water Corp.	Gary-Hobart Water Corp.	Indiana State Board of Health	Milwaukee, Wisconsin (Water stages only)	U.S.Lake Survey	1905 to date
HUDSON RIVER								
below Poughkeepsie,N.Y.	70(est)	International Business Machines Corp. Plant Water Intake	International Business Machines Corp.	International Business Machines Corp. New York State Dept. of Health	Dutchess County (New York) Health Dept.	Green Island, New York	U.S.Geological Survey	1946 to date
MERRIMACK RIVER								
at Lowell, Massachusetts	42	Municipal Water Plant Intake	Lowell Water Dept.	Massachusetts State Dept. of Public Health		Lowell, Massachusetts	U.S.Geological Survey	1923 to date
MISSISSIPPI RIVER								
at New Orleans,Louisiana	105	Municipal Water Plant Intake	New Orleans Sewage & Water Board	Louisiana State Dept. of Health	Louisiana State Dept. of Health	Near New Orleans	U.S.Geological Survey	1928 to date
at Vicksburg,Mississippi	431	Municipal Water Plant Intake	Vicksburg Water Dept.	Mississippi State Board of Health		Near Vicksburg,Mississippi	U.S.Geological Survey	1931 to date
at West Memphis,Arkansas	726	Barge Terminal,Oklahoma-Mississippi River Products Lines, Inc.	Memphis (Tennessee) Light, Gas & Water Div.	Memphis (Tennessee) Light, Gas & Water Div.	Arkansas State Board of Health Tennessee Dept. of Public Health	Memphis, Tennessee	U.S.Geological Survey	1934 to date
at Cape Girardeau, Missouri	1,0[illegible]	Missouri Utilities Co. Water Intake	Missouri Utilities Co.	Missouri Utilities Co.	Missouri Dept.of Public Health & Welfare	Thebes, Illinois	U.S.Geological Survey	1933-1938, 1939 to date
at East St.Louis,Illinois	1,166	East St.Louis Water Co.Intake	East St.Louis Water Co.	East St.Louis Water Co.	Illinois Dept.of Public Health	Alton, Illinois	U.S.Geological Survey	1931-1938 1939 to date
at Burlington, Iowa	1,369	Municipal Water Plant Intake	Burlington Water Dept.	Burlington Water Dept.	Iowa State Dept.of Health	Keokuk, Iowa	U.S.Geological Survey	1876 to date
at Dubuque, Iowa	1,549	U.S.Army,Corps of Engineers, Lock & Dam #11	Dubuque Water Dept.	Dubuque Water Dept.	Iowa State Dept.of Health U.S.Army,Corps of Engineers	McGregor, Iowa	U.S.Geological Survey	1936 to date
above Red Wing,Minnesota	1,757	U.S.Army,Corps of Engineers, Lock & Dam #3	U.S.Army,Corps of Engineers Minneapolis-St.Paul(Minnesota) Sanitary District	Minneapolis-St.Paul Sanitary District	Minnesota State Dept. of Health	Prescott, Wisconsin	U.S.Geological Survey	1928 to date

* Inoperative during the water year

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Table 1 - AUTHORIZED SAMPLING STATIONS, COOPERATING AGENCIES, AND STREAM FLOW RECORDS (Continued)

STATION	MILES ABOVE MOUTH	DESCRIPTION	SAMPLED BY	FIELD ANALYSES BY	OTHER COOPERATING AGENCIES	STREAM FLOW RECORDS		
						NEAREST GAGING STATION	OPERATED BY	PERIOD OF RECORD
MISSOURI RIVER								
at St. Louis, Missouri	36	Water Plant Intakes, St.Louis Water Co. and Howard Bend Plant, City of St.Louis	St.Louis Water Co. and St.Louis Water Dept.	St.Louis Water Co. and St.Louis Water Dept.	Missouri Dept.of Public Health & Welfare	Hermann, Missouri	U.S.Geological Survey	1897 to date
at Kansas City, Kansas	385	Municipal Water Plant Intake	Kansas City (Kansas) Board of Public Utilities	Kansas City (Kansas) Board of Public Utilities	Kansas State Board of Health	Kansas City, Kansas	U.S.Geological Survey	1897 to date
at St.Joseph Missouri	471	St.Joseph Water Co. Intake	St.Joseph Water Co.	St.Joseph Water Co.	Missouri Dept.of Public Health & Welfare	St. Joseph, Missouri	U.S.Geological Survey	1927 to date
at Omaha, Nebraska	642	Metropolitan Utilities District Water Plant Intake	Metropolitan Utilities District	Metropolitan Utilities District	Nebraska State Dept. of Health	Omaha, Nebraska	U.S.Geological Survey	1928 to date
at Yankton, South Dakota	841	Municipal Water Plant Intake	Yankton Water Dept.	Yankton Water Dept.	South Dakota State Board of Health	Yankton, South Dakota	U.S.Geological Survey	1930 to date
at Bismarck, North Dakota	1,377	Municipal Water Plant Intake	Bismarck Water Dept.	Bismarck Water Dept. North Dakota State Dept. of Health		Bismarck, North Dakota	U.S.Geological Survey	1927 to date
at Williston, North Dakota	1,644	Municipal Water Plant Intake	Williston Water Dept.	Williston Water Dept.	North Dakota State Dept. of Health	Williston, North Dakota	U.S.Geological Survey	1928 to date
OHIO RIVER								
at Cairo, Illinois	3	Cairo Water Co. Intake	Cairo Water Co.	Cairo Water Co.	Illinois Dept.of Public Health	Metropolis, Illinois	U.S.Geological Survey	1934 to date
at Evansville, Indiana	190	Municipal Water Plant Intake	Evansville Water Dept.	Evansville Water Dept.	Indiana State Board of Health	Evansville, Indiana	U.S.Geological Survey	1936 to date
at Cincinnati, Ohio	518	Municipal Water Plant Intake	Cincinnati Water Dept.	Cincinnati Water Dept.	Ohio Dept. of Health	Cincinnati, Ohio	U.S.Geological Survey	1936 to date
at Huntington, West Virginia	677	Huntington Water Co. Intake	Huntington Water Corp.	Huntington Water Corp.	West Virginia State Dept. of Health	Huntington, West Virginia	U.S.Geological Survey	1934 to date
at East Liverpool, Ohio	94.	Municipal Water Plant Intake	East Liverpool Water Dept.	East Liverpool Water Dept.	Ohio Dept. of Health	Sewickley, Pennsylvania	U.S.Geological Survey	1933 to date
POTOMAC RIVER								
at Great Falls Maryland	126	Washington, D.C. Water Plant Intake	U.S.Army, Corps of Engineers	U.S.Army, Corps of Engineers	Maryland State Dept. of Health	Near Washington, D.C.	U.S.Geological Survey	1930 to date
at Williamsport, Maryland	212	Hagerstown (Maryland) Municipal Water Plant Intake	Hagerstown (Maryland) Water Department	Hagerstown (Maryland) Water Department	Maryland State Dept. of Health	Shepperdstown, West Virginia	U.S.Geological Survey	1928 to date
RED RIVER								
at Alexandria Louisiana	12	Pumping Station On Levee, near City Wells	Alexandria Water Dept.	Louisiana State Dept. of Health	Louisiana State Dept. of Health	Alexandria, Louisiana	Mississippi River Commission U.S.Geological Survey	1928-1938 1938 to date
*at Index, Arkansas	485	U.S.Highway No.71 Bridge	Texarkana Water & Sewer System	Texarkana Water & Sewer System	Arkansas State Board of Health Texas State Dept.of Health	Index, Arkansas	U.S.Geological Survey	1936 to date
at Denison, Texas	726	Denison Dam Power House	U.S.Army, Corps of Engineers	Denison Water Dept.	Texas State Dept.of Health	Near Colbert, Oklahoma	U.S.Geological Survey	1923 to date

* Inoperative during the water year

Table 1 - AUTHORIZED SAMPLING STATIONS, COOPERATING AGENCIES, AND STREAM FLOW RECORDS (Continued)

STATION	MILES ABOVE MOUTH	DESCRIPTION	SAMPLED BY	FIELD ANALYSES BY	OTHER COOPERATING AGENCIES	STREAM FLOW RECORDS		
						NEAREST GAGING STATION	OPERATED BY	PERIOD OF RECORD
RIO GRANDE at Laredo, Texas	356	Municipal Water Plant Intake	Laredo Water Dept.	Laredo Water Dept.	Texas State Dept.of Health	Near Nuevo Laredo,Mexico	Mexican Section,International Boundary and Water Commission	1923 to date
at El Paso, Texas	1,234	Municipal Water Plant Intake	El Paso Public Service Board	El Paso Public Service Board	Texas State Dept.of Health	Below Cabello Dam, near Mexico	U.S.Section,International Boundary and Water Commission, and U.S. Geological Survey	1889 to date
SAVANNAH RIVER at Port Wentworth Georgia	22	State Highway No.17 Bridge	Union Bag-Camp.Paper Corp. U.S.Army,Corps of Engineers	Union Bag-Camp.Paper Corp U.S.Public Health Service	Chatham County Health Dept. Georgia State Dept.of Public Health	Clyo, Georgia	U.S.Geological Survey	1930-1933, 1937 to date
at North Augusta, South Carolina	217	Municipal Water Plant Intake	North Augusta Water Dept.	North Augusta Water Dept.	South Carolina State Board of Health	Augusta, Georgia	U.S.Geological Survey	1898-1906, 1927-1931, 1938 to date
SNAKE RIVER at Wawawai, Washington	111(est)	Pumping Station at I.E.Wilson Farm	Washington State College	Washington State College	Washington State Dept. of Health Washington State Pollution Control Commission	Near Clarkston,Washington	U.S.Geological Survey	1915 to date
at Weiser, Idaho	354	Municipal Water Plant Intake	Weiser Water Dept.	Weiser Water Dept.	Idaho State Board of Health	Weiser, Idaho	U.S.Geological Survey	1910 to date
TENNESSEE RIVER at Chattanooga,Tennessee	467(est)	City Water Company Intake	City Water Company of Chattanooga	City Water Company of Chattanooga Tennessee Valley Authority	Tennessee Department of Public Health	Chattanooga, Tennessee	U.S.Geological Survey	1874-1913, 1915-1930, 1936 to date

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EXPLANATION OF DATA

RADIOACTIVITY DETERMINATIONS

The error count (column heading ±)should be interpreted as follows: A double zero means that the error was reported as being 4 or less. Ten should be read as meaning 5-14. Twenty should be read as 15-24, etc. When a blank appears in the column for the count, the count is to be interpreted as zero. A dash in the column for the count signifies that that particular measure was not done.

PLANKTON POPULATION

Blanks in any column are to be read as meaning that none of the organisms for that column were found. The column heading "Dominant Organisms" should be interpreted in connection with the table below as follows: 5-946 should be interpreted that the fifth organism of the first column, Chlorella, was named. None of the organisms in the second column of the table was named. The 9 is the ninth item in the third column of the table - Stephanodiscus, 4 is the fourth item in the fourth column - Diatoma, and the 6 is the sixth item in the fifth column - Fragilaria. Five dashes in the column of "Dominant Organisms" mean that none was named for that report.

ORGANIC CHEMICALS

The data entered relating to extractables are in micrograms per liter or parts per billion. Zeros when reported have been entered. Asterisks when entered should be read as meaning less than one part per billion but more than zero. A dash indicates that the respective results were not reported.

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

The data entered in each column are as reported. A dash signifies that the particular test was not performed. Zeros when meaningful have been entered. An asterisk preceding a coliform count should be read as "less than" the number following it.

PLANKTON-DOMINANT ORGANISMS

	I	II	III	IV	V
1.	Add'l. Filamentous Green Alga	Add'l. Green Flagellate	Actinastrum	Add'l. Animal Form	Add'l. Brown Flagellate
2.	Anabaena	Aphanizomenon	Add'l. Desmid	Add'l. Coccoid Green Alga	Add'l. Coccoid Bl-Green Alga
3.	Asterionella	Cryptomonas	Anacystis	Chlamydomonas	Add'l. Diatom
4.	Ceratium	Cyclotella	Ciliates	Diatoma	Add'l. Fil. Bl-Green Alga
5.	Chlorella	Gomphonema	Coelastrum	Porifera	Ankistrodesmus
6.	Cosmarium	Oscillatoria	Dinobryon	Rotifer	Fragilaria
7.	Crustacea	Peridinium	Navicula	Synedra	Melosira
8.	Euglena	Scenedesmus	Oocystis	Tabellaria	Micractinium
9.	Nematode	Unpigmented Flagellate	Stephanodiscus	Tribonema	Sarcodina

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE ARIZONA
MAJOR BASIN COLORADO RIVER
SUB BASIN LOWER COLORADO RIVER
STATION LOCATION COLORADO RIVER AT YUMA, ARIZONA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
11	25	7	12	16	1	00	12	10	13	10	14	10	22	10	36	10												
12	2	7	12	18	2	00	2	00	4	00	12	10	16	10	28	10												
12	9	7	12	19		00	6	00	6	00	21	10		10	21	10												
12	16	7	12	27	1	00	3	00	4	00		10	11	10	11	10												
1	6	8	1	14		00	4	10	4	10	6	10	34	10	40	10												
1	13	8	1	23		00	11	00	11	00	2	10	16	10	18	10												
1	20	8	2	3	1	00	8	10	9	10		00	6	10	6	10												
2	4	8	2	18	1	00	9	10	10	10	2	10	10	10	12	10												
2	10	8	2	21	1	00	9	10	10	10		10		10		10												
2	17	8	2	28	1	00	5	00	6	00	11	20	28	10	39	20												
2	24	8	3	5	1	00	2	00	3	00	12	10	11	10	23	10												
3	3	8	3	12		00	6	00	6	00	9	10	32	10	41	10												
3	10	8	3	20		00	3	00	3	00	1	10	6	10	7	10												
3	17	8	3	26		00	4	10	4	10	4	10	9	10	13	10												
4	1	8	4	14		00	6	00	6	00	15	10	21	10	36	10												
4	7	8	4	21		00	3	00	3	00	19	10	148	10	167	10												
4	14	8	4	24	-		-		-		10	10	10	10	20	10												
4	22	8	5	5	-		-		-			10	6	10	6	10												
4	28	8	5	8	-		-		-		9	10	10	10	19	10												
5	5	8	5	14	-		-		-		4	10	28	10	32	10												
5	12	8	5	21	-		-		-		3	10	35	10	38	10												
6	2	8	6	13	-		-		-		6	10	25	10	31	10												
6	10	8	6	17	-		-		-		1	10	30	10	31	10												
6	18	8	6	25	-		-		-		3	10	35	10	38	10												
6	23	8	6	30	-		-		-		3	00	27	10	30	10												
7	21	8	7	30	-		-		-		6	00	35	10	41	10												
7	28	8	8	12		00		00		00		00	29	10	29	10												
8	4	8	8	14	1	00	11	00	12	00	3	10	44	10	47	10												
8	18	8	8	27		00	8	00	8	00		10	30	10	30	10												
8	25	8	9	5		00	6	00	6	00	5	10	27	10	32	10												
9	2	8	9	12		00	-		-		3	10	34	10	37	10												
9	8	8	9	18		00	6	10	6	10		10	8	10	8	10												
9	15	8	10	1	-		-		-			10	19	10	19	10												
9	22	8	10	1	-		-		-			10	14	10	14	10												
9	29	8	10	10		00	5	00	5	00	3	10	12	10	15	10												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE: ARKANSAS
MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN: LOWER MISSISSIPPI-CAIRO TO HELENA
STATION LOCATION: MISSISSIPPI RIVER AT WEST MEMPHIS, ARKANSAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
4	16	8	4	28	-		-		-		96	20	5	10	101	20												
5	5	8	5	15	-		-		-		18	10	7	10	25	10												
5	12	8	5	27	-		-		-		38	10	16	10	54	10												
5	19	8	5	28	-		-		-		22	10	42	10	64	10												
5	26	8	6	9	-		-		-		4	10	11	10	15	10												
6	2	8	6	13	-		-		-		11	10	43	10	54	20												
6	9	8	6	18	-		-		-		11	10	27	10	38	10												
6	16	8	6	25	-		-		-		106	10	33	10	139	20												
6	23	8	7	8	-		-		-		36	10	14	10	50	10												
6	30	8	7	11	-		-		-		85	20	42	10	127	30												
7	7	8	7	10	-		-		-		109	30	50	10	159	30												
7	14	8	7	23	-		-		-		62	20	48	10	110	20												
7	21	8	7	30	-		-		-		250	30	42	10	292	30												
7	28	8	8	7	5	00	3	00	8	00	123	20	75	20	198	30												
8	4	8	8	13	10	00		00	10	00	66	20	32	10	98	20												
8	11	8	8	27	6	00	3	00	9	00	67	20	29	10	96	20												
8	18	8	8	26	3	00		00	3	00	35	10	58	10	93	10												
8	25	8	9	3	1	00		00	1	00	24	10	26	10	50	10												
9	2	8	9	16	3	00	1	00	4	00	15	10	42	10	57	20												
9	8	8	9	18	-		-		-		11	10	34	20	45	20												
9	16	8	9	30	-		-		-			10	53	10	53	10												
9	22	8	10	2	-		-		-		65	20	25	10	90	20												
9	29	8	10	8	2	00	3	00	5	00	22	20	18	10	40	20												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE: CALIFORNIA
MAJOR BASIN: COLORADO RIVER
SUB BASIN: LOWER COLORADO RIVER
STATION LOCATION: COLORADO RIVER AT PARKER DAM, ARIZONA-CALIFORNIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
1	1	8	1	14		00	2	00	2	00	3	10	2	10	5	10												
1	8	8	1	21		00	7	00	7	00		10	19	10	19	10												
1	15	8	1	28		00	4	00	4	00	1	10	14	10	15	10												
1	22	8	2	4		00	6	00	6	00	1	10	33	10	34	10												
1	31	8	2	14		00	6	00	6	00	5	10	16	10	21	10												
2	5	8	2	18		00	11	00	11	00		10	24	10	24	10												
2	12	8	2	28		00	7	00	7	00	5	10	11	10	16	10												
2	17	8	3	4		00	7	10	7	10	5	10	27	10	32	10												
3	3	8	3	21	1	00	6	00	7	00	9	00	34	10	43	10												
3	10	8	3	21		00	5	00	5	00	8	10		10	8	10												
3	19	8	4	1		00	11	00	11	00		10	37	10	37	10												
3	26	8	4	8		00	1	00	1	00		10		10		10												
4	2	8	4	17		00	13	10	13	10		10	25	10	25	10												
4	8	8	4	23	-		-		-		7	10	27	10	34	10												
4	14	8	4	28	-		-		-		9	10	81	10	90	10												
4	21	8	5	1	-		-		-		6	10	28	10	34	10												
4	28	8	5	13	-		-		-		8	10	34	10	42	10												
5	8	8	5	21	-		-		-			10	13	10	13	10												
5	14	8	5	28	-		-		-		4	10	35	10	39	10												
5	21	8	6	2	-		-		-			10	22	10	22	10												
5	29	8	6	10	-		-		-		75	10	20	10	95	10												
6	4	8	6	16	-		-		-			10	21	10	21	10												
6	10	8	6	20	-		-		-		1	00	30	10	31	10												
6	18	8	6	27	-		-		-		3	00	15	10	18	10												
6	25	8	7	8	-		-		-			10	37	10	37	10												
7	9	8	7	22	-		-		-		5	10	20	10	25	10												
7	17	8	7	24	-		-		-		2	10	9	10	11	10												
7	23	8	8	1	-		-		-		2	10	12	10	14	10												
7	30	8	8	13	1	00	29	10	30	00		00	73	10	73	10												
8	6	8	8	15		00	5	10	5	10	1	10	23	10	24	10												
8	14	8	8	26		00	15	00	15	00		00	52	10	52	10												
8	21	8	9	5	-		-		-			10	13	10	13	10												
8	27	8	9	12		00	2	00	2	00	2	10	38	10	40	10												
9	3	8	9	12		00		00		00		10	24	10	24	10												
9	10	8	9	19	1	00	10	10	11	10		10	36	10	36	10												
9	18	8	10	1	-		-		-			10	22	10	22	10												
9	24	8	10	3		00		10		10		10	10	10	10	10												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE: COLORADO
MAJOR BASIN: COLORADO RIVER
SUB BASIN: UPPER COLORADO RIVER
STATION LOCATION: COLORADO RIVER NEAR LOMA, COLORADO

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER												RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA				DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
5	12	8	5	27	-		-		-		20	20	38	10	58	20										
5	20	8	6	3	-		-		-		90	20	14	10	104	20										
5	26	8	6	5	-		-		-		80	20	17	10	97	20										
6	2	8	6	17	-		-		-		36	10	31	10	67	20										
6	9	8	6	20	-		-		-		37	20	22	10	59	20										
6	16	8	6	25	-		-		-		19	10	20	10	39	10										
6	23	8	7	8	-		-		-		15	10	17	10	32	10										
6	30	8	7	9	-		-		-		11	10	22	10	33	10										
7	7	8	7	22	-		-		-		7	10	31	10	38	10										
7	14	8	7	24	-		-		-		3	10	40	20	43	20										
7	21	8	8	1	-		-		-		10	10	235	30	245	30										
7	29	8	8	12	1	00	21	10	22	10	4	10	245	20	249	30										
8	4	8	8	15		00		10		10	6	10	168	30	174	30										
8	11	8	8	22		00		20		20		10	33	10	33	10										
8	18	8	9	3		00	7	10	7	10	6	10	48	20	54	20										
9	8	8	9	18	1	00		00	1	00	4	10	56	20	60	20										
9	15	8	9	29	-		-		-		160	20	52	20	212	30										
9	23	8	10	2	-		-		-		6	10	9	20	15	20										

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE GEORGIA
MAJOR BASIN SOUTHEAST
SUB BASIN SAVANNAH RIVER
STATION LOCATION SAVANNAH RIVER AT PORT WENTWORTH, GEORGIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
2	24	8	3	5	1	00		00	1	00	3	10	21	10	24	10												
3	3	8	3	17		00		00		00	10	10	5	00	15	10												
3	11	8	3	20		00		00		00	14	00	17	10	31	10												
3	17	8	3	31		00		00		00	10	10	3	00	13	10												
3	24	8	4	7		00		00		00	6	10	2	00	8	10												
3	31	8	4	11		00	1	00	1	00	84	10	37	10	121	10												
4	7	8	4	21		00		00		00	14	10	26	10	40	10												
4	14	8	4	24	-		-		-		5	10	20	10	25	10												
4	21	8	4	29	-		-		-		12	10	21	10	33	10												
4	28	8	5	7	-		-		-		11	10	20	10	31	10												
5	5	8	5	14	-		-		-		28	10	25	10	53	10												
5	12	8	5	16	-		-		-		37	10	31	10	68	10												
5	19	8	5	29	-		-		-		12	10	18	10	30	10												
5	26	8	6	11	-		-		-		9	10	29	10	38	10												
6	2	8	6	12	-		-		-			10	20	00	20	10												
6	9	8	6	17	-		-		-		16	10	13	10	29	10												
6	16	8	6	26	-		-		-		9	10	18	10	27	10												
6	23	8	6	27	-		-		-		23	10	15	10	38	10												
8	25	8	9	4	-		-		-		3	10	13	10	16	10												
9	1	8	9	11	-		-		-		10	10	14	10	24	10												
9	8	8	9	17	-		-		-		3	10	10	10	13	10												
9	15	8	9	29	-		-		-		2	10	240	30	242	30												
9	29	8	10	10		00		00		00	5	00	15	10	20	10												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE: ILLINOIS
MAJOR BASIN: UPPER MISSISSIPPI RIVER
SUB BASIN: MISSISSIPPI RIVER-ST. LOUIS AREA
STATION LOCATION: MISSISSIPPI RIVER AT EAST ST. LOUIS, ILLINOIS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
1	6	8	1	13	1	00		00	1	00	8	10		10	8	10												
1	13	8	1	21		00		00		00	2	10	37	10	39	10												
1	20	8	1	28		00	1	00	1	00	5	10	10	10	15	10												
1	27	8	2	11		00	3	00	3	00	6	10	8	10	14	10												
2	3	8	2	13		00	1	00	1	00	36	10	22	10	58	10												
2	10	8	2	20		00	3	00	3	00		00	10	10	10	10												
2	17	8	2	27		00	1	00	1	00	3	10	7	10	10	10												
2	24	8	3	4		00		00		00	3	10	8	10	11	10												
3	3	8	3	10	3	00	1	00	4	00	65	20	33	10	98	20												
3	10	8	3	25	8	00		00	8	00	88	20	48	10	136	20												
3	17	8	3	25		00		00		00	54	10		10	54	10												
3	24	8	3	31		00	1	00	1	00	8	10	7	10	15	10												
3	31	8	4	11	2	00	1	00	3	00	14	10	27	10	41	10												
4	7	8	4	21	1	00		00	1	00	21	10	17	10	38	10												
4	14	8	4	24	-		-		-		26	10	16	10	42	10												
4	21	8	4	29	-		-		-		20	10	8	10	28	10												
4	28	8	5	8	-		-		-		15	10	23	10	38	10												
5	5	8	5	12	-		-		-		21	10	24	10	45	20												
5	12	8	5	15	-		-		-		44	10	21	10	65	10												
5	19	8	5	28	-		-		-		2	10	41	10	43	10												
5	26	8	6	11	-		-		-		14	10	60	20	74	20												
6	2	8	6	11	-		-		-		15	10	36	10	51	10												
6	9	8	6	16	-		-		-		20	10	39	10	59	10												
6	16	8	6	20	-		-		-		193	20	25	10	218	20												
6	23	8	6	27	-		-		-		40	10	17	10	57	10												
6	30	8	7	9	-		-		-		18	10	29	10	47	10												
7	7	8	7	16	-		-		-		71	20	39	10	110	20												
7	14	8	7	22	-		-		-		54	10	39	10	93	10												
7	21	8	7	25	-		-		-		300	20	145	10	445	30												
7	28	8	8	7	-		-		-		70	10	113	10	183	10												
8	4	8	8	14	-		-		-		53	10	44	10	97	10												
8	11	8	8	20	-		-		-		17	10	67	10	84	10												
8	18	8	8	26	-		-		-		14	10	62	10	76	10												
8	25	8	9	2	-		-		-		18	10	21	10	39	10												
9	2	8	9	15	-		-		-		14	10	61	10	75	10												
9	8	8	9	17	-		-		-			10	40	20	40	20												
9	15	8	9	26	-		-		-		99	20	50	20	149	20												
9	22	8	10	2	-		-		-		17	10	31	20	48	20												
9	29	8	10	7	13	10	3	00	16	10	68	20	27	10	95	20												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE INDIANA
MAJOR BASIN OHIO RIVER
SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION OHIO RIVER AT
EVANSVILLE, INDIANA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
2	17	8	2	28	3	00		00	3	00	7	20	5	10	12	20												
2	25	8	3	5		00		00		00	5	10	1	10	6	10												
3	5	8	3	12	4	00		00	4	00	6	20		10	6	20												
3	18	8	3	26	1	00		00	1	00	8	10	12	10	20	10												
3	27	8	4	3		00		00		00	35	10	29	10	64	20												
4	7	8	4	21	2	00	5	00	7	00	60	10	27	10	87	10												
4	14	8	4	24	-		-		-		23	20	24	10	47	20												
4	28	8	5	7	-		-		-		9	10	51	10	60	10												
6	2	8	6	12	-		-		-		2	10	27	10	29	10												
6	16	8	6	25	-		-		-		11	10	65	10	76	10												
6	24	8	6	30	-		-		-		24	10	30	10	54	10												
6	30	8	7	9	-		-		-		12	20	22	10	34	20												
7	15	8	7	24	-		-		-		44	10	50	10	94	10												
7	21	8	7	30	-		-		-		72	10	51	10	123	10												
8	12	8	8	22	-		-		-		28	20	22	10	50	20												
9	3	8	9	12	-		-		-		52	10	67	10	119	10												
9	8	8	9	17		00		00		00	8	10	16	10	24	10												
9	15	8	9	29	-		-		-			10	31	10	31	10												
9	22	8	10	1	-		-		-		2	10	28	10	30	10												
9	29	8	10	7	1	00	1	00	2	00	11	10	22	10	33	10												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI-DES MOINES-SKUNK RIVERS

STATION LOCATION MISSISSIPPI RIVER AT BURLINGTON, IOWA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
11	11	7	12	12	1	00		00	1	00	4	10	33	10	37	10												
11	18	7	12	14	1	00	1	00	2	00	9	10	1	00	10	10												
11	25	7	2	4		00	2	00	2	00		10	1	10	1	10												
12	2	7	12	27	1	00	1	00	2	00		10		10		10												
12	9	7	12	27		00	3	00	3	00		10	7	10	7	10												
12	16	7	1	2		00	1	00	1	00	1	10	8	10	9	10												
12	23	7	1	2	1	00	1	00	2	00	8	10	22	10	30	10												
12	30	7	1	9	3	00	8	00	11	00	4	10	23	10	27	10												
1	6	8	1	16		00		00		00	9	10		10	9	10												
1	13	8	1	27		00		00		00		10	10	10	10	10												
1	27	8	2	10		00		00		00	5	10	10	10	15	10												
2	3	8	2	14		00	1	00	1	00		10	14	10	14	10												
2	10	8	2	21		00	1	00	1	00	6	00	15	10	21	10												
2	17	8	2	28		00		00		00		10		10		10												
2	24	8	3	5		00		00		00		10		10		10												
3	3	8	3	12	4	00	2	00	6	00	14	20	8	10	22	20												
3	10	8	3	19	1	00	1	00	2	00	19	00	1	10	20	10												
3	17	8	3	25		00		00		00	19	10	44	10	63	10												
3	24	8	4	2		00		00		00		10	9	10	9	10												
3	31	8	4	8	1	00	1	00	2	00	12	10	12	10	24	10												
4	7	8	4	18		00		00		00	28	10	19	10	47	10												
4	14	8	4	24	-		-		-		20	10	16	10	36	10												
4	21	8	4	29	-		-		-		9	10	18	10	27	10												
4	28	8	5	7	-		-		-		2	10	23	10	25	10												
5	5	8	5	14	-		-		-		9	10	23	10	32	10												
5	12	8	5	19	-		-		-		8	10	18	10	26	10												
5	19	8	5	28	-		-		-		22	10	25	10	47	10												
5	26	8	6	4	-		-		-		9	10	38	10	47	10												
6	2	8	6	12	-		-		-		54	20	200	20	254	20												
6	9	8	6	17	-		-		-		12	10	30	10	42	10												
6	16	8	6	20	-		-		-		57	20		10	57	20												
7	14	8	7	23	-		-		-		16	10	87	10	103	10												
7	21	8	7	30	-		-		-		87	10	73	10	160	10												
7	28	8	8	8	-		-		-		11	10	53	10	64	10												
8	4	8	8	15	-		-		-		24	10	44	10	68	10												
8	11	8	8	21	-		-		-		9	10	62	10	71	10												
8	18	8	8	27	-		-		-			00	55	10	55	10												
8	25	8	9	4	-		-		-		1	10	43	10	44	10												
9	8	8	9	19	-		-		-		10	10	33	10	43	20												
9	15	8	9	29	-		-		-		7	10	58	10	65	10												
9	22	8	10	1	-		-		-		4	00	31	10	35	10												
9	29	8	10	7	1	00	4	00	5	00	14	10	33	10	47	20												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI-WAPSIPINICON & TRIB.

STATION LOCATION MISSISSIPPI RIVER AT DUBUQUE, IOWA (SEE NOTE)

RADIOACTIVITY DETERMINATIONS

NOTE: Results may be influenced by retention in lock structure. Sampling site being changed.

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER												RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA				BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL		ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
12	2	7	12	18		00		00		00		00	18	10	18	10												
12	9	7	12	23		00	1	00	1	00		10		10		10												
12	16	7	12	30		00		00		00	3	10	14	10	17	10												
12	23	7	1	9		00	3	00	3	00		10	24	10	24	10												
12	30	7	1	9		00		00		00	2	10	14	10	16	10												
1	6	8	1	15		00	1	00	1	00	8	10	14	10	22	10												
1	13	8	1	23		00	1	00	1	00	1	10	28	10	29	10												
1	20	8	2	5		00	1	00	1	00		10	16	10	16	10												
1	27	8	2	11	1	00		00	1	00	5	10	8	10	13	10												
2	3	8	2	18		00	1	00	1	00	1	10	5	10	6	10												
2	10	8	2	20		00		00		00		10	22	10	22	10												
2	17	8	2	28		00	2	00	2	00		10	1	10	1	10												
2	24	8	3	7		00		00		00		10	1	10	1	10												
3	3	8	3	13		00		00		00	2	10	3	10	5	10												
3	10	8	3	21		00		00		00	7	10	9	10	16	10												
3	17	8	3	31		00	1	00	1	00	6	00	15	10	21	10												
3	31	8	4	11		00		00		00	5	10	4	10	9	10												
4	7	8	4	22	1	00	1	00	2	00	18	10	14	10	32	10												
4	14	8	4	25	-		-		-		8	10	17	10	25	10												
4	21	8	5	1	-		-		-		11	20	34	10	45	20												
4	28	8	5	7	-		-		-		9	10	19	10	28	10												
5	5	8	5	14	-		-		-		15	10	29	10	44	10												
5	19	8	5	27	-		-		-		10	10	23	10	33	10												
5	26	8	6	9	-		-		-		4	10	49	10	53	10												
6	2	8	6	12	-		-		-		8	10	31	10	39	10												
6	9	8	6	18	-		-		-		1	10	51	10	52	20												
6	16	8	6	25	-		-		-		3	10	10	10	13	10												
6	23	8	7	1	-		-		-		20	10	21	10	41	20												
6	30	8	7	10	-		-		-		2	10	27	10	29	10												
7	7	8	7	11	-		-		-		26	10	48	10	74	10												
7	14	8	7	23	-		-		-		9	10	33	10	42	10												
7	21	8	7	30	-		-		-		7	10	39	10	46	10												
7	28	8	8	8	-		-		-		8	10	49	10	57	10												
8	4	8	8	15	-		-		-		2	00	37	10	39	10												
8	11	8	8	21	-		-		-			00	48	10	48	10												
8	25	8	9	3	-		-		-		15	10	27	10	42	10												
9	2	8	9	11	-		-		-		5	00	73	10	78	10												
9	8	8	9	18	-		-		-		2	10	95	20	97	20												
9	16	8	10	1	-		-		-			10	21	10	21	20												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE KANSAS
MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN ARK. RIVER, KANS-COLO LINE TO TULSA
STATION LOCATION ARKANSAS RIVER AT COOLIDGE, KANSAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
3	24	8	4	4		00	2	10	2	10	18	10	56	20	74	20												
3	31	8	4	14	1	00	-		-		9	10	97	20	106	20												
4	7	8	4	23	-		-		-		12	10	21	20	33	20												
4	14	8	4	24	-		-		-		18	10	29	20	47	20												
4	21	8	5	1	-		-		-		6	10	32	20	38	20												
4	28	8	5	7	-		-		-		302	30	35	10	337	30												
5	5	8	5	14	-		-		-		138	20	158	30	296	40												
5	12	8	5	20	-		-		-		45	10	27	20	72	20												
5	19	8	5	28	-		-		-		356	30	30	20	386	30												
5	27	8	6	6	-		-		-		753	40	87	30	840	50												
6	2	8	6	12	-		-		-		45	10	172	20	217	30												
6	9	8	6	17	-		-		-		38	10	68	20	106	30												
6	16	8	6	25	-		-		-		33	10	22	20	55	20												
6	23	8	6	30	-		-		-		103	10	96	20	199	30												
7	1	8	7	10	-		-		-		9	10	122	20	131	20												
7	8	8	7	17	-		-		-		45	10	134	20	179	20												
7	14	8	7	23	-		-		-		95	20	269	30	364	30												
7	21	8	7	30	-		-		-		80	10	63	10	143	20												
7	28	8	8	13	21	10	21	10	42	10	133	20	285	40	418	40												
8	4	8	8	19	2	00	24	20	26	20	40	10	375	40	415	40												
8	12	8	8	22	-		-		-		61	40	98	30	159	90												
8	18	8	8	26		00	32	30	32	30	125	30	342	30	467	40												
8	25	8	9	2	8	10	11	20	19	20	56	20	51	20	107	20												
9	3	8	9	16	1	00	-		-		5	10	57	20	62	20												
9	8	8	9	17	-		-		-		11	20	76	30	87	30												
9	17	8	9	30	-		-		-		33	20	54	30	87	30												
9	22	8	10	3		10	8	10	8	10	50	20	41	30	91	30												
9	29	8	10	7	1	00	11	10	12	10	25	20	36	30	61	30												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE KANSAS
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER AT KANSAS CITY, KANSAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
11	4	7	11	15	7	00	3	00	10	00	38	10	24	10	62	20												
11	11	7	12	13	3	00	5	00	8	00	21	10	28	10	49	10												
11	18	7	12	12	5	00	3	00	8	00	30	10	27	10	57	10												
11	25	7	12	18	8	00	2	00	10	00	30	10	32	10	62	20												
12	2	7	12	18	5	00	2	00	7	00	5	20	25	20	30	20												
12	9	7	12	20	3	00	4	00	7	00	15	10	15	10	30	10												
12	16	7	12	27	4	00	3	00	7	00	8	10	10	10	18	10												
12	23	7	1	2	9	00		00	9	00	12	10	24	10	36	20												
12	30	7	1	13	3	00	3	00	6	00	13	10	6	10	19	10												
1	6	8	1	13	2	00	4	00	6	00		10	15	10	15	10												
1	13	8	1	28	21	10	3	00	24	10	27	10	25	10	52	20												
1	20	8	2	4		00	4	00	4	00		20	50	20	50	20												
1	27	8	2	10	4	00	6	00	10	00	10	10	19	10	29	10												
2	3	8	2	12		00		00		00	8	10	23	10	31	10												
2	10	8	2	21		00	2	00	2	00		10	1	10	1	10												
2	17	8	2	27		00	2	00	2	00		10	42	10	42	10												
2	24	8	3	4	2	00	1	00	3	00	52	20	8	20	60	20												
3	3	8	3	17	18	10	1	00	19	10	136	40		20	136	40												
3	10	8	3	19	16	10	2	00	18	10	53	40		30	53	40												
3	17	8	3	27	10	00	7	00	17	00	59	20	33	10	92	20												
3	24	8	4	3	7	00	3	00	10	00	6	20	44	10	50	20												
3	31	8	4	17	11	00	7	00	18	00	59	20	29	20	88	30												
4	7	8	4	23	-		-		-		107	20	30	10	137	30												
4	14	8	4	24	-		-		-		141	30	43	10	184	30												
4	21	8	4	29	-		-		-		52	20	19	20	71	20												
4	28	8	5	12	-		-		-		91	20	30	20	121	30												
5	5	8	5	13	-		-		-		674	40	23	10	697	50												
5	12	8	5	20	-		-		-		29	10	24	10	53	10												
5	19	8	5	29	-		-		-		233	30	30	20	263	40												
5	26	8	6	9	-		-		-		36	20	45	20	81	20												
6	2	8	6	17	-		-		-		126	30	38	20	164	30												
6	9	8	6	16	-		-		-		86	20	46	10	132	30												
6	16	8	6	20	-		-		-		75	20	50	10	125	20												
6	23	8	6	30	-		-		-		56	20	41	10	97	30												
6	30	8	7	9	-		-		-		38	10	46	10	84	10												
7	7	8	7	17	-		-		-		150	30	32	10	182	30												
7	14	8	7	23	-		-		-		403	30	187	20	590	30												
7	21	8	7	30	-		-		-		540	30	87	10	627	30												
7	28	8	8	11	-		-		-		608	50	51	20	659	50												
8	4	8	8	13	-		-		-		644	40	142	10	786	40												
8	11	8	8	21	-		-		-		173	20	41	10	216	20												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE KANSAS
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER AT KANSAS CITY, KANSAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
8	18	8	8	27	-		-		-		108	20	64	20	172	30												
8	25	8	9	4	-		-		-		58	10	41	10	99	10												
9	2	8	9	16	-		-		-		28	20	54	20	82	20												
9	8	8	9	18	-		-		-		499	30	78	20	577	30												
9	15	8	9	29	-		-		-		75	20	44	20	119	20												
9	22	8	10	2	-		-		-		69	20	43	20	112	30												
9	29	8	10	13	5	10	5	00	10	10	47	20	30	20	77	30												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE LOUISIANA
MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN LOWER RED RIVER BELOW DENISON
STATION LOCATION RED RIVER AT
ALEXANDRIA, LOUISIANA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
11	4	7	11	19	4	00		00	4	00	22	10	18	10	40	20												
11	11	7	12	6	89	40		00	89	40	78	30	20	10	98	40												
11	18	7	12	14	13	10		00	13	10	167	30	16	10	183	30												
11	25	7	12	16	24	20	1	00	25	20	48	20		10	48	30												
12	2	7	12	18	6	10		00	6	10	39	20		10	39	30												
12	9	7	12	19	5	00	1	00	6	00	48	20	51	10	99	30												
12	30	7	1	10	3	00		00	3	00	10	10	4	10	14	10												
1	6	8	1	17	6	10		00	6	10	52	20	10	10	62	30												
1	15	8	1	27		00		00		00	22	20	18	10	40	20												
1	20	8	2	3	15	10	1	00	16	10	39	20	21	10	60	20												
1	27	8	2	7	9	10		00	9	10	5	20	5	20	10	20												
2	3	8	2	13	6	10		00	6	10	52	20	9	10	61	20												
2	10	8	2	19	1	00	1	00	2	00	25	10		10	25	10												
2	17	8	2	27	8	10	1	00	9	10	40	20	42	10	82	10												
2	24	8	3	4	3	00		00	3	00	29	20		10	29	20												
3	3	8	3	12	4	00	1	00	5	00	36	20	3	10	39	20												
3	10	8	3	20	3	00	2	00	5	00		20		10		20												
3	17	8	3	25	14	10		00	14	10	54	20	5	10	59	20												
3	24	8	3	31	15	10	1	00	16	10	120	20	30	10	150	30												
3	31	8	4	17	-		-		-		122	30	12	10	134	30												
4	7	8	4	18	-		-		-		24	20	19	10	43	30												
4	16	8	4	28	-		-		-		16	20	11	10	27	20												
4	21	8	4	29	-		-		-		39	10	15	10	54	20												
5	12	8	4	20	-		-		-		225	50	18	10	243	50												
5	19	8	5	29	-		-		-		57	20	7	20	64	30												
5	26	8	6	9	-		-		-		45	20	26	10	71	20												
6	9	8	6	17	-		-		-		20	10	23	10	43	10												
6	16	8	6	25	-		-		-		16	20	44	10	60	20												
6	23	8	7	8	-		-		-		34	30	33	10	67	30												
6	30	8	7	10	-		-		-		18	20	34	10	52	20												
7	7	8	7	16	-		-		-		151	20	107	10	258	20												
7	21	8	7	31	-		-		-		37	10	38	10	75	10												
8	5	8	8	15	-		-		-		10	10	26	10	36	10												
8	25	8	9	2	-		-		-		33	20	38	10	71	20												
9	2	8	9	15	-		-		-		16	10	87	10	103	20												
9	8	8	9	19	-		-		-		19	20	23	10	42	20												
9	15	8	9	30	-		-		-		11	10	30	10	41	10												
9	22	8	10	2	-		-		-		104	20	56	20	160	30												
9	29	8	10	14	4	00		00	4	00	29	20	64	20	93	20												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE LOUISIANA
MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN LOWER MISSISSIPPI-NATCHEZ TO GULF
STATION LOCATION MISSISSIPPI RIVER AT NEW ORLEANS, LOUISIANA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
3	20	8	3	31	13	10		00	13	10	34	20	7	10	41	20												
3	27	8	4	3	2	00		00	2	00	44	20	8	10	52	20												
4	3	8	4	17	7	00		00	7	00	52	20	11	10	63	20												
4	10	8	4	23	-		-		-		94	20	9	10	103	20												
4	17	8	4	28	-		-		-		32	20	16	10	48	20												
4	24	8	5	1	-		-		-		19	20	9	10	28	20												
5	1	8	5	12	-		-		-		28	20	11	10	39	20												
5	5	8	5	15	-		-		-		13	10	12	10	25	10												
5	12	8	5	26	-		-		-		65	10	15	10	80	10												
5	22	8	6	2	-		-		-		26	20	21	10	47	20												
5	29	8	6	11	-		-		-		8	20	4	10	12	20												
6	5	8	6	16	-		-		-		41	20	8	20	49	20												
6	12	8	6	20	-		-		-		7	10	31	10	38	20												
6	19	8	6	27	-		-		-		13	10	18	10	31	10												
6	26	8	7	7	-		-		-		51	20	58	10	109	20												
6	30	8	7	11	-		-		-		44	20	19	10	63	20												
7	7	8	7	17	-		-		-		91	20	8	10	99	30												
7	17	8	7	25	-		-		-		53	20	62	10	115	20												
7	24	8	8	1	-		-		-		143	20	49	10	192	30												
7	29	8	8	14	-		-		-		135	20	76	10	211	20												
8	7	8	8	15	-		-		-		97	20	30	10	127	30												
8	14	8	8	25	-		-		-		21	20	49	10	70	20												
8	21	8	9	2	-		-		-		12	20	48	10	60	20												
8	28	8	9	5	-		-		-		49	20	40	20	89	20												
9	4	8	9	15	-		-		-		22	10	64	10	86	20												
9	11	8	9	19	-		-		-		28	20	37	10	65	20												
9	18	8	10	1	-		-		-			10	69	20	69	20												
9	25	8	10	3	4	00		00	4	00	27	10	38	10	65	20												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE MARYLAND
MAJOR BASIN NORTH ATLANTIC
SUB BASIN POTOMAC RIVER
STATION LOCATION POTOMAC RIVER AT GREAT FALLS, MARYLAND

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
11	4	7	11	12		00	12	00	12	00	4	10	23	10	27	10												
11	11	7	11	22		00		00		00	5	10	3	10	8	10												
11	18	7	12	12		00		00		00	16	10	65	10	81	10												
11	25	7	12	18	1	00		00	1	00	9	10	5	10	14	10												
12	2	7	12	17		00		00		00	4	10		10	4	10												
12	9	7	12	19		00		00		00	32	10	6	10	38	10												
12	16	7	12	30		00		00		00		10	10	10	10	10												
12	23	7	1	7	2	00		00	2	00	13	10		10	13	10												
1	6	8	1	17		00		00		00	6	10	2	10	8	10												
1	13	8	1	22		00		00		00	7	10	7	10	14	10												
1	20	8	2	4	1	00		00	1	00	2	10	3	10	5	10												
1	27	8	2	11	13	00	2	00	15	00	91	20	15	10	106	20												
2	3	8	2	14		00	2	00	2	00		10	6	10	6	10												
2	10	8	2	20	1	00		00	1	00	8	10	6	10	14	10												
2	17	8	2	27		00	7	00	7	00	1	10	23	10	24	10												
2	24	8	3	12		00		00		00	5	10	12	10	17	10												
3	3	8	3	13	3	00		00	3	00	18	10	4	10	22	10												
3	10	8	3	21		00		00		00		10		10		10												
3	17	8	3	31		00		00		00	8	10	7	10	15	10												
3	24	8	4	4	2	00		00	2	00	18	10	10	10	28	10												
3	31	8	4	9		00		00		00	116	10	18	10	134	10												
4	7	8	4	21	5	00		00	5	00	59	10	14	10	73	10												
4	14	8	4	24	-		-		-		14	10	9	10	23	10												
4	21	8	4	29	-		-		-		10	10		10	10	10												
4	28	8	5	7	-		-		-		20	10	11	10	31	10												
5	5	8	5	14	-		-		-		12	10	8	10	20	10												
5	12	8	5	15	-		-		-		8	10	18	10	26	10												
5	19	8	5	28	-		-		-		5	10	18	10	23	10												
5	26	8	6	4	-		-		-		8	10	86	10	94	10												
6	2	8	6	13	-		-		-		2	10	92	10	94	10												
6	9	8	6	17	-		-		-		1	10	16	10	17	10												
6	16	8	6	20	-		-		-		13	10	17	10	30	10												
6	23	8	7	1	-		-		-		49	10	27	10	76	10												
6	30	8	7	8	-		-		-		6	10	30	10	36	10												
7	7	8	7	11	-		-		-		42	10	27	10	6	10												
7	14	8	7	22	-		-		-		77	10	40	10	117	10												
7	21	8	7	25	-		-		-		6	10	32	10	38	10												
7	28	8	8	11	-		-		-			00	14	10	14	10												
8	4	8	8	15	-		-		-			00	34	10	34	10												
8	11	8	8	22	-		-		-			10	1	10	1	10												
8	18	8	8	26	-		-		-		10	10	30	10	40	10												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE MARYLAND

MAJOR BASIN NORTH ATLANTIC

SUB BASIN POTOMAC RIVER

STATION LOCATION POTOMAC RIVER AT GREAT FALLS, MARYLAND

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
8	25	8	9	3	-		-		-		9	10	28	10	37	10												
9	3	8	9	11	-		-		-		116	10	44	10	160	10												
9	8	8	9	17	-		-		-			10	17	10	17	10												
9	15	8	9	26	-		-		-		6	10		10	6	10												
9	22	8	10	1	-		-		-			10	8	10	8	10												
9	29	8	10	10		00		00		00	8	10	20	10	28	10												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE MARYLAND
MAJOR BASIN NORTH ATLANTIC
SUB BASIN POTOMAC RIVER
STATION LOCATION POTOMAC RIVER AT WILLIAMSPORT, MARYLAND

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
11	11	7	12	12		00		00		00	10	10	4	10	14	10												
11	18	7	12	14	1	00	1	00	2	00	16	10	10	10	26	10												
11	25	7	12	16		00		00		00		10		10		10												
12	2	7	12	16	1	00	2	00	3	00		10	77	10	77	10												
12	9	7	12	20		00		00		00		10	13	10	13	10												
12	16	7	1	3		00		00		00	5	10	10	10	15	10												
2	3	8	2	19		00		00		00	2	00	4	10	6	10												
2	10	8	2	24	1	00	1	00	2	00		10		10		10												
2	24	8	3	5		00		00		00		10		10		10												
3	3	8	3	24	1	00	1	00	2	00	16	10	6	10	22	10												
3	10	8	3	21		00	1	00	1	00	10	00	18	10	28	10												
3	17	8	3	26		00		00		00	6	10	1	10	7	10												
3	24	8	4	8	1	00	2	00	3	00		10		10		10												
3	31	8	4	10	1	00		00	1	00	8	10		10	8	10												
4	7	8	4	22	1	00		00	1	00	74	10	14	10	88	10												
4	14	8	4	24	-		-		-			00	4	10	4	10												
4	21	8	4	29	-		-		-		2	10	78	10	80	10												
4	28	8	5	13	-		-		-		5	10	81	10	86	10												
5	8	8	5	15	-		-		-		5	10	12	10	17	10												
5	12	8	5	16	-		-		-			00	16	10	16	10												
5	19	8	6	2	-		-		-			10	2	10	2	10												
5	26	8	6	9	-		-		-			10	16	10	16	10												
6	2	8	6	13	-		-		-		2	10	6	10	8	10												
6	9	8	6	20	-		-		-		10	00	80	10	90	10												
6	16	8	6	25	-		-		-			00	17	10	17	10												
6	23	8	7	1	-		-		-		5	10	18	10	23	10												
6	30	8	7	11	-		-		-		2	10	23	10	25	10												
7	7	8	7	17	-		-		-			10	25	10	25	10												
7	14	8	7	25	-		-		-			10	31	10	31	10												
7	21	8	8	1	-		-		-		15	10	37	10	52	10												
7	28	8	8	7	-		-		-		1	10	12	10	13	10												
8	4	8	8	14	-		-		-		8	10	73	10	81	10												
8	11	8	8	25	-		-		-			10	20	10	20	10												
8	18	8	8	26	-		-		-		5	00	34	10	39	10												
8	25	8	9	3	-		-		-		2	10	65	10	67	10												
9	8	8	9	18	-		-		-			10	11	10	11	10												
9	15	8	10	1	-		-		-			10	11	10	11	10												
9	22	8	10	1	-		-		-		3	10	19	10	22	10												
9	29	8	10	13		00		00		00		10	82	10	82	10												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE MASSACHUSETTS
MAJOR BASIN NORTHEAST
SUB BASIN MERRIMAC RIVER
STATION LOCATION MERRIMAC RIVER ABOVE LOWELL, MASSACHUSETTS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
1	16	8	1	28		00		00		00	10	10	5	10	15	10												
1	22	8	2	5		00	6	10	6	10	9	10	10	10	19	10												
1	30	8	2	12		00		00		00	4	10	9	10	13	10												
2	5	8	2	19		00		00		00	1	10	13	10	14	10												
2	10	8	2	27		00		00		00		10	2	10	2	10												
2	20	8	3	5		00		00		00	3	10		10	3	10												
2	27	8	3	11		00		00		00	6	10	1	10	7	10												
3	6	8	3	20		00		00		00	2	00		10	2	10												
3	13	8	3	25		00		00		00	6	00	14	10	20	10												
3	20	8	4	2	3	00		00	3	00	2	10	13	10	15	20												
3	27	8	4	11		00		00		00	10	10	20	10	30	10												
4	10	8	4	24	-		-		-		25	10	15	10	40	10												
4	17	8	4	29	-		-		-		11	00	17	00	28	10												
4	24	8	5	7	-		-		-			00	12	10	12	10												
5	8	8	5	21	-		-		-		40	10	5	10	45	10												
5	22	8	6	4	-		-		-		23	10	13	10	36	10												
5	28	8	6	12	-		-		-		6	10	11	10	17	10												
6	4	8	6	17	-		-		-		68	10	13	10	81	10												
6	11	8	6	20	-		-		-		35	10	20	10	55	10												
7	3	8	7	22	-		-		-		5	10	21	10	26	10												
7	11	8	7	24	-		-		-		12	10	22	10	34	10												
7	17	8	7	24	-		-		-		16	00	24	10	40	10												
7	23	8	8	7	-		-		-		12	10	21	10	33	10												
8	28	8	9	12	-		-		-		4	10	14	10	18	10												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE MICHIGAN
MAJOR BASIN WESTERN GREAT LAKES
SUB BASIN ST. CLAIR-DETROIT RIVERS
STATION LOCATION DETROIT RIVER AT DETROIT, MICHIGAN

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
11	4	7	11	14		00		00		00	6	10	12	10	18	10												
11	11	7	11	21		00		00		00	4	10	6	10	10	10												
11	18	7	12	14	1	00		00	1	00	8	10	22	10	30	10												
11	25	7	12	18		00		00		00		10	3	10	3	10												
12	5	7	12	17		00		00		00		10		00		10												
12	12	7	12	27		00		00		00		10		10		10												
12	19	7	1	7		00		00		00	7	10	6	10	13	10												
12	28	7	1	9		00		00		00	10	10	2	10	12	10												
1	2	8	1	10		00		00		00		10		10		10												
1	9	8	1	16		00		00		00	5	10	13	10	18	10												
1	16	8	1	27		00		00		00	13	10	23	10	36	10												
1	23	8	2	3		00		00		00		00		00		00												
1	30	8	2	7		00	1	00	1	00	4	10	4	10	8	10												
2	6	8	2	18		00		00		00		00		10		10												
2	27	8	3	11		00		00		00	1	10		10	1	10												
3	6	8	3	19		00		00		00	1	10		10	1	10												
3	13	8	3	21		00		00		00	9	10	14	10	23	10												
3	20	8	3	31		00		00		00	4	00		10	4	10												
3	27	8	4	4		00		00		00		10	1	10	1	10												
4	3	8	4	14		00		00		00		10	2	10	2	10												
4	10	8	4	22		00	1	00	1	00	1	10	3	10	4	10												
4	16	8	4	24	-		-		-		9	10	4	10	13	10												
4	24	8	5	2	-		-		-			10	1	10	1	10												
5	1	8	5	13	-		-		-			10	6	10	6	10												
5	5	8	5	15	-		-		-			10	7	10	7	10												
5	15	8	5	28	-		-		-		1	10	11	10	12	10												
5	22	8	6	2	-		-		-		6	10	12	10	18	10												
5	29	8	6	13	-		-		-		6	00		10	6	10												
6	3	8	6	13	-		-		-		6	00	23	10	29	10												
6	10	8	6	18	-		-		-		3	00	27	10	30	10												
6	17	8	6	25	-		-		-		1	10	5	10	6	10												
6	24	8	6	27	-		-		-		7	10	5	10	12	10												
7	15	8	7	24	-		-		-		4	00	34	10	38	10												
8	13	8	8	25	-		-		-			10	18	10	18	10												
8	19	8	9	2	-		-		-			10	27	10	27	10												
8	26	8	9	3	-		-		-		2	10	41	10	43	10												
9	2	8	9	12	-		-		-		10	10	36	10	46	10												
9	9	8	9	18	-		-		-		3	10	24	10	27	10												
9	16	8	9	30	-		-		-			10	5	10	5	10												
9	23	8	10	1	-		-		-		1	10	12	10	13	10												
9	30	8	10	13		00		00		00	9	00	18	10	27	10												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE MINNESOTA
MAJOR BASIN WESTERN GREAT LAKES
SUB BASIN LAKE SUPERIOR
STATION LOCATION LAKE SUPERIOR AT DULUTH, MINNESOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
11	4	7	11	19		00		00		00	6	10	19	10	25	10												
11	11	7	11	21		00		00		00	14	10	2	10	16	10												
11	18	7	12	14		00		00		00	1	10	8	10	9	10												
11	25	7	12	16		00		00		00	1	10	4	10	5	10												
12	2	7	12	18		00		00		00	1	10	6	10	7	10												
12	9	7	12	19		00		00		00		10	3	00	3	10												
12	16	7	1	2		00	1	00	1	00	7	10	22	10	29	10												
12	30	7	1	9		00		00		00	4	10	9	10	13	10												
1	6	8	1	14		00		00		00		10		10		10												
1	13	8	1	21		00		00		00		10	6	10	6	10												
1	20	8	1	29		00		00		00	5	10	9	10	14	10												
1	27	8	2	10		00		00		00		10	10	10	10	10												
2	2	8	2	13		00		00		00		10	4	10	4	10												
2	10	8	2	21	1	00	2	00	3	00	1	00	28	10	29	10												
2	17	8	3	5		00		00		00		10	3	10	3	10												
2	24	8	3	6		00		00		00		10		10		10												
3	3	8	3	13		00		00		00	2	10	7	10	9	10												
3	10	8	3	18		00		00		00	2	10	1	10	3	10												
3	17	8	3	25		00	1	00	1	00	16	10	25	10	41	10												
3	24	8	4	1		00		00		00	9	00	8	10	17	10												
3	31	8	4	10		00		00		00		10		10		10												
4	7	8	4	21		00		00		00	19	10	17	10	36	10												
4	14	8	4	24	-		-		-		1	00		10	1	10												
4	21	8	5	1	-		-		-			10	28	00	28	10												
4	28	8	5	8	-		-		-		4	10	1	10	5	10												
5	5	8	5	12	-		-		-		12	10		10	12	10												
5	13	8	5	27	-		-		-			10	54	10	54	10												
5	19	8	6	2	-		-		-		1	10	3	10	4	10												
5	26	8	6	10	-		-		-		2	10	47	10	49	10												
6	2	8	6	13	-		-		-			10	14	00	14	10												
6	9	8	6	18	-		-		-			00	8	00	8	10												
6	16	8	6	26	-		-		-		5	00	23	10	28	10												
6	23	8	6	30	-		-		-		3	00	4	10	7	10												
6	30	8	7	11	-		-		-			10		10		10												
7	7	8	7	17	-		-		-		5	10	8	10	13	10												
7	21	8	7	25	-		-		-			10	3	10	3	10												
7	28	8	8	7	-		-		-			00	20	10	20	10												
8	4	8	8	15	-		-		-			00	3	10	3	10												
8	11	8	8	21	-		-		-		2	10	11	10	13	10												
8	18	8	8	26	-		-		-			00	45	10	45	10												
8	25	8	9	5	-		-		-		2	10		10	2	10												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE MINNESOTA
MAJOR BASIN WESTERN GREAT LAKES
SUB BASIN LAKE SUPERIOR
STATION LOCATION LAKE SUPERIOR AT DULUTH, MINNESOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
9	2	8	9	15	-		-		-			00	2	00	2	10												
9	8	8	9	8	-		-		-			10	15	10	15	10												
9	15	8	9	29	-		-		-		2	10	24	10	26	10												
9	22	8	10	1	-		-		-		17	00	6	10	23	10												
9	29	8	10	10	-			00	-		8	10	9	10	17	10												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE: MINNESOTA
MAJOR BASIN: UPPER MISSISSIPPI RIVER
SUB BASIN: UPPER PORTION UPPER MISSISSIPPI
STATION LOCATION: MISSISSIPPI RIVER LOCK DAM #3 BELOW MINNEAPOLIS, MINNESOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
11	4	7	11	13	1	00	2	00	3	00	8	10	49	10	57	10												
11	11	7	11	22		00	1	00	1	00	18	10		10	18	10												
11	18	7	12	14		00	1	00	1	00	8	10	39	10	47	10												
11	25	7	12	18		00		00		00	22	10	46	10	68	10												
12	2	7	12	17		00	3	00	3	00	4	10	37	10	41	10												
12	10	7	12	19		00		00		00	2	10	39	10	41	10												
12	17	7	1	3		00	1	00	1	00	81	10	159	10	240	20												
12	23	7	1	2		00	1	00	1	00	2	00	19	10	21	10												
1	1	8	1	15		00	1	00	1	00	43	10		10	43	10												
1	13	8	2	3		00	1	00	1	00		10	12	10	12	10												
1	21	8	2	3		00	3	00	3	00	13	10	38	10	51	10												
1	28	8	2	7		00		00		00	18	10	28	10	46	10												
2	4	8	2	18		00		00		00		10	13	10	13	10												
2	11	8	2	24		00		00		00	7	10	8	10	15	10												
2	18	8	2	28		00	2	00	2	00		10	12	10	12	10												
2	25	8	3	6		00		00		00	1	10		10	1	10												
3	4	8	3	21		00	1	00	1	00	2	10	2	10	4	10												
3	11	8	3	21		00		00		00	10	10	28	10	38	10												
3	18	8	3	26		00	1	00	1	00		10	10	10	10	10												
3	26	8	4	7		00	1	00	1	00	2	10	11	10	13	10												
4	1	8	4	11		00	1	00	1	00	10	10	46	10	56	10												
4	8	8	4	17		00	2	00	2	00	26	10	33	10	59	10												
4	15	8	4	24	-		-		-		2	10	36	10	38	10												
4	21	8	4	29	-		-		-		7	10	32	10	39	10												
4	29	8	5	8	-		-		-		8	10	27	10	35	10												
5	5	8	5	13	-		-		-		8	10	26	10	34	10												
5	13	8	5	16	-		-		-		61	10	22	10	83	10												
5	20	8	6	3	-		-		-		4	10	49	10	53	10												
5	27	8	6	5	-		-		-			10	18	10	18	10												
6	2	8	6	12	-		-		-		8	10	12	10	20	10												
6	10	8	6	18	-		-		-		29	10	29	10	58	10												
6	17	8	6	25	-		-		-		8	10	37	10	45	10												
6	24	8	6	30	-		-		-		3	10	21	10	24	10												
7	1	8	7	10	-		-		-		1	10	36	10	37	10												
7	8	8	7	16	-		-		-		45	10	81	10	126	10												
7	15	8	7	23	-		-		-		14	10	66	10	80	10												
7	22	8	8	1	-		-		-		6	10	39	10	45	10												
7	29	8	8	11	-		-		-		12	10	258	10	270	10												
8	5	8	8	14	-		-		-		21	10	115	10	136	10												
8	12	8	8	22	-		-		-		2	10	64	10	66	10												
8	19	8	8	28	-		-		-		4	10	133	10	137	10												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE MINNESOTA
MAJOR BASIN UPPER MISSISSIPPI RIVER
SUB BASIN UPPER PORTION UPPER MISSISSIPPI
STATION LOCATION MISSISSIPPI RIVER LOCK DAM #3 BELOW MINNEAPOLIS, MINNESOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
8	26	8	9	4	-		-		-			10	34	10	34	10												
9	3	8	9	15	-		-		-			10	77	10	77	10												
9	9	8	9	18	-		-		-			10	29	10	29	10												
9	16	8	9	30	-		-		-		4	10	32	10	36	10												
9	23	8	10	1	-		-		-		6	10	26	10	32	10												
9	30	8	10	10		00	1	00	1	00		00	22	10	22	10												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE MISSISSIPPI

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-YAZOO RIVERS

STATION LOCATION MISSISSIPPI RIVER AT VICKSBURG, MISSISSIPPI (SEE NOTE)

NOTE: Results may be influenced by discharge from Yazoo River.

DATE SAMPLE TAKEN			DATE OF DETERMINATION		RADIOACTIVITY IN WATER												RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
					ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
12	9	7	12	23	3	00		00	3	00	8	10	6	10	14	10												
12	16	7	1	3	1	00	1	00	2	00	13	10		10	13	10												
12	30	7	1	13	3	00	1	00	4	00	30	10	16	10	46	10												
1	6	8	1	17	1	00		00	1	00	24	20	13	10	37	20												
1	13	8	1	28	2	00		00	2	00	28	20	12	10	40	20												
1	20	8	2	4	4	00		00	4	00	23	10	15	10	38	10												
1	27	8	2	12	6	10	1	00	7	10	43	10	7	10	50	10												
2	3	8	2	18	1	00		00	1	00	23	10	6	10	29	10												
2	17	8	3	5	8	00	1	00	9	00	44	20	22	10	66	20												
2	24	8	3	7	2	00		00	2	00	22	10	47	10	69	10												
3	3	8	3	13		00		00		00	21	20	8	10	29	20												
3	10	8	3	21	4	00	1	00	5	00	108	20	58	10	166	20												
3	17	8	3	27	7	00	1	00	8	00	51	20		10	51	20												
3	24	8	4	3	1	00	1	00	2	00	6	20		10	6	20												
3	31	8	4	15	13	00	1	00	14	00	61	20	22	10	83	20												
4	15	8	4	25	-		-		-		42	10	30	10	72	10												
4	21	8	5	2	-		-		-		16	10	7	10	23	20												
4	28	8	5	12	-		-		-		51	10	15	10	66	20												
5	5	8	5	13	-		-		-		38	20	24	10	62	20												
5	12	8	5	27	-		-		-		63	20	30	10	93	20												
5	26	8	6	11	-		-		-		32	10	16	10	48	10												
6	2	8	6	16	-		-		-		28	10	35	10	63	20												
6	9	8	6	18	-		-		-			10	44	10	44	10												
6	16	8	6	27	-		-		-		28	20	15	10	43	20												
6	23	8	7	9	-		-		-		71	20	42	10	113	20												
6	30	8	7	11	-		-		-		84	20	68	10	152	20												
7	8	8	7	22	-		-		-		22	20	10	10	32	20												
7	21	8	7	31	-		-		-		150	20	38	10	188	20												
8	4	8	8	15	-		-		-		109	20	101	10	210	20												
8	11	8	8	22	-		-		-		61	10	78	10	139	10												
8	18	8	8	28	-		-		-		43	10	48	10	91	10												
9	8	8	9	18	-		-		-		13	20	44	20	57	20												
9	15	8	9	30	-		-		-		30	20	6	10	36	20												
9	22	8	10	2	-		-		-		72	20	51	10	123	20												
9	29	8	10	13	6	00		00	6	00	24	20	17	10	41	20												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE: MISSOURI
MAJOR BASIN: UPPER MISSISSIPPI RIVER
SUB BASIN: MISSISSIPPI-CAPE GIRARDEAU AREA
STATION LOCATION: MISSISSIPPI RIVER AT CAPE GIRARDEAU, MISSOURI

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
1	6	8	1	16	2	00	1	00	3	00	13	10	12	10	25	10												
1	13	8	1	23		00		00		00	31	10	27	10	58	10												
1	20	8	1	28	1	00	2	00	3	00	9	10	7	10	16	10												
1	27	8	2	11	4	00	5	00	9	00	35	10	18	10	53	10												
2	3	8	2	14	3	00	2	00	5	00	22	10	15	10	37	10												
2	10	8	2	21	4	00	8	00	12	00	16	10	35	20	51	20												
2	17	8	3	5	2	00	1	00	3	00	10	10		10	10	10												
2	24	8	3	10	2	00		00	2	00	37	10	31	10	68	10												
3	3	8	3	11	10	10		00	10	10	42	40		20	42	50												
3	10	8	3	24	6	10	1	00	7	10	81	20		10	81	20												
3	17	8	3	26	7	10		00	7	10		20		10		20												
3	24	8	4	1	10	10	5	00	15	10	54	20		10	54	20												
3	31	8	4	15	8	00	1	00	9	00	12	20		10	12	20												
4	7	8	4	18		00		00		00	43	20	42	10	85	20												
4	21	8	5	1	-		-		-		23	20	28	10	51	20												
4	28	8	5	7	-		-		-		25	20	19	10	44	20												
5	5	8	5	13	-		-		-		31	20	22	10	53	20												
5	12	8	5	22	-		-		-		38	10	18	10	56	10												
5	19	8	5	29	-		-		-		28	20	48	10	76	20												
5	26	8	6	11	-		-		-		19	20	17	10	36	20												
6	2	8	6	13	-		-		-		74	20	56	10	130	30												
6	9	8	6	17	-		-		-		100	20	40	10	140	20												
6	16	8	6	25	-		-		-		173	20	88	20	261	30												
6	23	8	6	30	-		-		-		75	20	51	10	126	20												
6	30	8	7	11	-		-		-		264	20	259	20	523	30												
7	7	8	7	17	-		-		-		80	20	66	20	146	30												
7	14	8	7	24	-		-		-		205	30	51	10	256	30												
7	21	8	7	31	-		-		-		884	30	110	10	994	30												
7	28	8	8	1	-		-		-		182	30	68	10	250	30												
8	4	8	8	15	-		-		-		303	40	90	10	393	50												
8	11	8	8	21	-		-		-		111	20	24	10	135	30												
8	18	8	8	28	-		-		-		110	20	56	10	166	30												
8	25	8	9	4	-		-		-		47	20	55	20	102	30												
9	2	8	9	16	-		-		-		12	10	52	10	64	20												
9	8	8	9	18	-		-		-		12	20	38	20	50	20												
9	15	8	9	29	-		-		-		139	20	48	20	187	30												
9	22	8	10	2	-		-		-		36	20	31	10	67	20												
9	29	8	10	14	4	00	1	00	5	00	45	20	44	10	89	20												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE: MISSOURI
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION: MISSOURI RIVER AT ST. JOSEPH, MISSOURI

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
12	23	7	1	2	3	00	5	00	8	00	6	10	33	10	39	10												
12	30	7	1	10	1	00	4	00	5	00	10	10	26	10	36	10												
1	7	8	1	13		00	1	00	1	00	5	10	22	10	27	10												
1	13	8	1	23		00	5	00	5	00	1	10	33	10	34	10												
1	27	8	2	10		00	7	00	7	00	12	10	25	10	37	10												
2	5	8	2	17		00	2	00	2	00	3	10	18	10	21	10												
2	10	8	2	21	1	00	7	00	8	00	7	10	23	10	30	10												
2	17	8	2	27		00	3	00	3	00		10	8	10	8	10												
2	24	8	3	4	8	10	3	00	11	10	91	40	40	30	131	40												
3	4	8	3	12	12	10	3	00	15	10	164	40	3	20	167	40												
3	11	8	3	25	15	10	2	00	17	10	142	20	32	10	174	30												
3	25	8	4	4	6	00	5	00	11	00	11	20		10	11	20												
4	7	8	4	22	-		3	00	-		-		18	20	-													
4	14	8	4	24	-		-		-		90	20	31	10	121	30												
4	22	8	5	1	-		-		-		63	20	32	10	95	20												
4	28	8	5	8	-		-		-		59	20	24	20	83	30												
5	8	8	5	13	-		-		-		42	20	33	20	75	20												
5	12	8	5	15	-		-		-		65	20	55	10	120	20												
5	19	8	5	28	-		-		-		67	20	26	10	93	20												
5	27	8	6	11	-		-		-		18	20	22	20	40	30												
6	3	8	6	13	-		-		-		11	10	17	20	28	20												
6	11	8	6	20	-		-		-		58	10	71	10	129	20												
6	17	8	6	26	-		-		-		68	20	21	10	89	30												
6	23	8	6	27	-		-		-		30	10	30	10	60	10												
6	30	8	7	11	-		-		-		43	10	36	10	79	10												
7	8	8	7	17	-		-		-		161	30	75	20	236	30												
7	14	8	7	23	-		-		-		505	30	103	20	608	30												
7	22	8	7	30	-		-		-		276	20	74	20	350	30												
8	4	8	8	21	-		-		-		12	10	23	10	35	10												
8	12	8	8	22	-		-		-		232	50	69	20	301	50												
8	18	8	8	27	-		-		-		131	30	62	20	193	30												
8	27	8	9	3	-		-		-		31	10	72	10	103	20												
9	3	8	9	16	-		-		-		50	30	31	20	81	30												
9	16	8	9	30	-		-		-		94	20	43	10	137	20												
9	22	8	10	2	-		-		-		237	30	54	20	291	30												
9	30	8	10	10	-			00	-		20	10	35	20	55	20												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER AT ST LOUIS, MISSOURI

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
11	18	7	12	14	8	00	2	00	10	00	55	10	19	10	74	20												
11	25	7	12	18	3	00	6	00	9	00	32	10	27	10	59	20												
12	2	7	12	17	3	00	3	00	6	00	24	10	35	10	59	10												
12	9	7	12	19	1	00	2	00	3	00	23	10	16	10	39	10												
12	16	7	1	2	2	00	4	00	6	00	14	10	24	10	38	10												
12	23	7	1	7	10	00		00	10	00	40	10	5	10	45	10												
12	31	7	1	10	6	00	1	00	7	00	7	10	3	10	10	10												
1	13	8	1	27	2	00	7	00	9	00	25	10	41	10	66	10												
1	20	8	1	29	4	00	3	00	7	00	21	20	28	20	49	20												
1	27	8	2	7	3	00	5	00	8	00	2	10	9	10	11	10												
2	3	8	2	27	2	00	3	00	5	00	7	10	11	10	18	10												
2	10	8	2	20	2	00	2	00	4	00	2	10	3	10	5	10												
2	17	8	2	27	1	00	1	00	2	00	8	10	5	10	13	10												
2	24	8	3	4	5	00		00	5	00	2	10	3	10	5	10												
3	3	8	3	14	16	10		00	16	10	176	30	22	20	198	40												
3	10	8	3	24	15	10	1	00	16	10	7	20		10	7	20												
3	17	8	3	31	6	10	1	00	7	10	21	20	32	10	53	20												
3	24	8	4	4	12	10	2	00	14	10	26	20		10	26	20												
3	31	8	4	14	2	00		00	2	00	21	10	17	10	38	10												
4	7	8	4	23	-		-		-		121	20	41	10	162	20												
4	14	8	4	23	-		-		-		16	30	36	10	52	30												
4	21	8	5	1	-		-		-		10	20	20	10	30	20												
4	28	8	5	9	-		-		-		73	20	24	10	97	20												
5	5	8	5	14	-		-		-		49	20	24	20	73	20												
5	12	8	5	20	-		-		-		88	20	27	10	115	20												
5	19	8	5	29	-		-		-		31	20	45	20	76	30												
5	27	8	6	11	-		-		-		97	20	12	20	109	30												
6	2	8	6	16	-		-		-		127	20	43	10	170	30												
6	9	8	6	18	-		-		-		17	20	43	20	60	30												
6	16	8	6	25	-		-		-		166	20	34	20	200	30												
6	23	8	7	7	-		-		-		158	20	37	10	195	30												
6	30	8	7	10	-		-		-		202	30	95	20	297	30												
7	7	8	7	17	-		-		-		108	20	71	20	179	30												
7	14	8	7	24	-		-		-		366	30	49	20	415	30												
7	21	8	7	29	-		-		-		576	30	90	10	666	30												
7	28	8	8	11	-		-		-		159	20	272	20	431	30												
8	4	8	8	15	-		-		-		183	20	74	10	257	30												
8	11	8	8	22	-		-		-		23	10	31	10	54	10												
8	18	8	8	28	-		-		-		97	20	128	20	225	30												
8	25	8	9	4	-		-		-		47	10	53	10	100	10												
9	2	8	9	15	-		-		-		34	10	80	20	114	20												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER AT ST LOUIS, MISSOURI

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
9	8	8	9	18	-		-		-		31	10	42	10	73	20												
9	15	8	9	30	-		-		-		145	20	42	20	187	20												
9	22	8	10	2	-		-		-		51	20	42	10	93	20												
9	29	8	10	14	11	20		00	11	20	195	50	40	10	235	60												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER AT OMAHA, NEBRASKA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
11	4	7	11	26	4	10		00	4	10	78	20	41	10	119	20												
11	11	7	11	22	4	00	4	00	8	00	1	10	24	10	25	10												
11	18	7	12	16	3	00	3	00	6	00	14	10		10	14	10												
11	25	7	12	17	6	00	5	00	11	00	3	10	27	10	30	10												
12	16	7	12	30	19	10	2	00	21	10	76	30	31	10	107	30												
12	23	7	1	2		00		00		00	11	10	22	10	33	10												
12	30	7	1	16		00	5	00	5	00	2	10	13	10	15	10												
1	6	8	1	14		00	3	00	3	00		10	1	10	1	10												
1	13	8	1	23	3	00	3	00	6	00	9	10	17	10	26	10												
1	20	8	2	3	2	00	5	00	7	00	12	10		10	12	10												
1	27	8	2	11	1	00		00	1	00	15	10	42	10	57	10												
2	3	8	2	14		00		00		00		10	9	10	9	10												
2	10	8	2	21		00	5	00	5	00	3	10	24	10	27	10												
2	17	8	2	28	1	00	3	00	4	00	2	10	47	10	49	10												
2	24	8	3	4	10	10		00	10	10	124	40	6	30	130	40												
3	3	8	3	12	10	10		30	10	30	8	40	5	40	13	40												
3	10	8	3	18	4	00	2	00	6	00	30	20		20	30	20												
3	17	8	3	25	1	00	4	00	5	00	34	10	28	10	62	10												
3	24	8	3	31	2	00	8	00	10	00	68	10	25	10	93	10												
3	31	8	4	10	2	00	2	00	4	00	20	10	13	10	33	10												
4	7	8	4	22	9	10	5	00	14	10	164	30	38	10	202	30												
4	14	8	4	24	-		-		-		15	20	25	10	40	20												
4	21	8	5	1	-		-		-		35	20	24	10	59	20												
4	28	8	5	8	-		-		-		23	20	32	20	55	20												
5	5	8	5	13	-		-		-		27	20	36	20	63	30												
5	12	8	5	19	-		-		-		49	20	18	10	67	20												
5	19	8	5	28	-		-		-		69	20	27	20	96	30												
5	26	8	6	4	-		-		-		16	10	17	10	33	10												
6	2	8	6	12	-		-		-		21	10	38	10	59	10												
6	9	8	6	27	-		-		-		72	20	27	10	99	20												
6	16	8	6	20	-		-		-		37	20	19	10	56	20												
6	23	8	6	30	-		-		-		48	20	42	20	90	20												
6	30	8	7	10	-		-		-		35	10	52	10	87	10												
7	7	8	7	16	-		-		-		241	20	178	20	419	30												
7	14	8	7	23	-		-		-		37	20	37	10	74	20												
7	21	8	7	30	-		-		-		84	20	104	10	188	20												
7	28	8	8	11	-		-		-		23	10	58	10	81	20												
8	4	8	8	15	-		-		-		18	20	30	20	48	20												
8	11	8	8	21	-		-		-		26	10	41	10	67	10												
8	18	8	8	27	-		-		-		38	20	22	10	60	20												
8	25	8	9	4	-		-		-		24	10	38	10	62	10												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER AT OMAHA, NEBRASKA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
9	2	8	9	16	-		-		-			20	105	20	105	30												
9	8	8	9	17	-		-		-			10	15	10	15	20												
9	15	8	9	29	-		-		-		10	10	33	10	43	10												
9	22	8	10	1	-		-		-		19	20	28	20	47	30												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE NEVADA
MAJOR BASIN COLORADO RIVER
SUB BASIN LOWER COLORADO RIVER
STATION LOCATION COLORADO RIVER NEAR BOULDER CITY, NEVADA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
7	18	8	7	25	-		-		-			00	5	10	5	10												
7	22	8	8	1	-		-		-		3	10	8	10	11	10												
8	4	8	8	15	1	00	10	00	11	00		00	25	10	25	10												
8	12	8	8	22		00		00		00		10	9	10	9	10												
8	19	8	8	28		00	11	10	11	10		10	42	10	42	10												
8	26	8	9	4	-		-		-		8	10	56	10	64	10												
9	2	8	9	12		00	5	00	5	00		10	8	10	8	10												
9	8	8	9	18		00	1	00	1	00		00	18	10	18	10												
9	16	8	9	29	-		-		-		8	10	24	10	32	10												
9	23	8	10	2	-		-		-		18	10	16	10	34	10												
9	30	8	10	13		00	7	00	7	00		00	36	10	36	10												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE NEW YORK
MAJOR BASIN NORTHEAST
SUB BASIN LAKE ERIE-NIAGARA
STATION LOCATION LAKE ERIE AT BUFFALO, NEW YORK

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
12	10	7	12	19		00	1	00	1	00	3	10	6	10	9	10												
1	8	8	1	17		00		00		00	5	10	1	10	6	10												
2	4	8	2	18		00		00		00		10		10		10												
3	10	8	3	18		00		00		00		00		10		10												
4	1	8	4	11		00		00		00		00	7	10	7	10												
5	5	8	5	14	-		-		-		4	10	3	10	7	10												
6	10	8	6	17	-		-		-		12	10	7	10	19	10												
7	8	8	7	11	-		-		-			10	15	10	15	10												
8	6	8	8	18	-		-		-			00	10	10	10	10												
9	17	8	10	1	-		-		-		4	10	11	10	15	10												
9	24	8	10	2	-		-		-			10	12	10	12	10												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE NEW YORK
MAJOR BASIN NORTHEAST
SUB BASIN LOWER HUDSON RIVER
STATION LOCATION HUDSON RIVER BELOW POUGHKEEPSIE, NEW YORK

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
6	9	8	6	16	-		-		-		7	10	21	10	28	10												
6	16	8	6	20	-		-		-		2	00	25	10	27	10												
6	23	8	6	30	-		-		-		4	10	2	10	6	10												
6	30	8	7	9	-		-		-		9	10	24	10	33	10												
7	7	8	7	11	-		-		-		4	10	5	10	9	10												
7	14	8	7	23	-		-		-		3	10	10	10	13	10												
7	21	8	8	1	-		-		-			10	4	10	4	10												
7	28	8	8	7	-		-		-		4	10	87	10	91	10												
8	4	8	8	14	-		-		-		3	00	34	10	37	10												
8	11	8	8	20	-		-		-		1	10	14	10	15	10												
8	18	8	8	29	-		-		-			10	9	10	9	10												
8	25	8	9	2	-		-		-		5	10	28	10	33	10												
9	2	8	9	11	-		-		-		6	00	17	10	23	10												
9	8	8	9	16	-		-		-		2	10	16	10	18	10												
9	15	8	9	29	-		-		-			00	13	10	13	10												
9	22	8	10	2	-		-		-		1	10	15	10	16	10												
9	29	8	10	7		00		00		00	6	10	19	10	25	10												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE NORTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN MISSOURI-SOURIS RIVERS
STATION LOCATION MISSOURI RIVER AT BISMARCK, NORTH DAKOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
11	4	7	11	25		00		00		00	1	10	23	10	24	10												
11	11	7	12	2	2	00	46	10	48	10		10	22	10	22	10												
11	18	7	12	14		00	3	00	3	00	29	10	16	10	45	10												
11	25	7	12	19		00	5	00	5	00	6	10	42	10	48	10												
12	2	7	12	17		00		00		00	21	10	40	10	61	10												
12	10	7	12	20	1	00	3	00	4	00	17	10	18	10	35	20												
1	7	8	1	21		00		00		00	1	10	28	10	29	10												
1	14	8	1	28		00	4	00	4	00	8	10	23	10	31	10												
1	21	8	2	4		00	1	00	1	00	5	10	9	10	14	10												
1	27	8	2	7	1	00	3	00	4	00		10	18	10	18	10												
2	4	8	2	19		00	1	00	1	00	1	10	2	10	3	10												
2	17	8	3	4		00	1	00	1	00	3	10	29	10	32	10												
2	24	8	3	7		00	3	00	3	00		10	24	10	24	10												
3	4	8	3	19		00	2	00	2	00		00	16	10	16	10												
3	11	8	3	25		00	2	00	2	00	1	10	34	10	35	10												
3	25	8	4	9		00		00		00	8	10	25	10	33	10												
4	1	8	4	14	5	00	3	00	8	00	76	10		10	76	10												
4	8	8	4	23	-		-		-		9	10	26	10	35	10												
4	15	8	4	24	-		-		-		7	10	24	10	31	10												
4	22	8	5	2	-		-		-		6	10	1	10	7	10												
4	28	8	5	13	-		-		-		7	10	21	10	28	10												
5	5	8	5	15	-		-		-		3	10	25	10	28	10												
5	13	8	5	27	-		-		-		8	10	40	10	48	10												
5	20	8	6	2	-		-		-		11	10	23	10	34	10												
5	27	8	6	9	-		-		-		5	10	23	10	28	10												
6	3	8	6	13	-		-		-		8	10	28	10	36	10												
6	11	8	6	20	-		-		-		45	10	31	10	76	10												
6	17	8	6	25	-		-		-		16	10	37	10	53	10												
6	23	8	7	1	-		-		-		5	10	24	10	29	10												
7	1	8	7	11	-		-		-		100	10	130	10	230	10												
7	8	8	7	22	-		-		-		40	10	31	10	71	10												
7	15	8	7	24	-		-		-		21	10	24	10	45	10												
7	22	8	8	1	-		-		-		2	10	19	10	21	10												
7	29	8	8	15	-		-		-			10	20	10	20	10												
8	5	8	8	15	-		-		-			10	18	10	18	10												
8	12	8	8	21	-		-		-		2	10	43	10	45	10												
8	19	8	9	3	-		-		-		4	10	17	10	21	10												
8	26	8	9	5	-		-		-			10	36	10	36	10												
9	2	8	9	12	-		-		-			10	11	10	11	10												
9	9	8	9	18	-		-		-			10	16	10	16	10												
9	16	8	10	1	-		-		-		6	10	14	10	20	10												
9	15	8	9	29	-		-		-		11	10	39	10	50	10												
9	24	8	10	2	-		-		-		6	20	491	20	497	30												
9	30	8	10	10	1	00		00	1	00	6	10	40	10	46	10												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE NORTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN MISSOURI-SOURIS RIVERS
STATION LOCATION MISSOURI RIVER AT WILLISTON, NORTH DAKOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
11	4	7	11	8	4	00	26	00	30	00	27	10	33	10	60	10												
11	11	7	11	25	1	00	1	00	2	00	27	10	22	10	49	10												
11	18	7	12	14	1	00	7	00	8	00	41	10	22	10	63	10												
11	25	7	12	18	1	00	2	00	3	00	23	10	50	10	73	10												
12	3	7	1	3		00	5	00	5	00	2	10	23	10	25	10												
12	9	7	12	19		00	8	10	8	10	17	10	40	10	57	10												
12	16	7	12	27	2	00	2	00	4	00	8	10	9	10	17	10												
12	30	7	1	13		00	6	00	6	00	1	10	18	10	19	10												
1	6	8	1	15		00	7	00	7	00		10	7	10	7	10												
1	13	8	1	27		00	2	00	2	00	1	10	18	10	19	10												
1	20	8	2	4		00		00		00	1	00	79	10	80	10												
1	27	8	2	11		00	12	00	12	00	6	10	34	10	40	10												
2	4	8	2	19	7	00		00	7	00	15	10	11	10	26	10												
2	10	8	2	19		00		00		00		10	6	10	6	10												
2	17	8	2	28		00	8	00	8	00		10	9	10	9	10												
2	24	8	3	7		00	2	00	2	00	4	10	4	10	8	10												
3	3	8	3	12		00	2	00	2	00	3	10	14	10	17	10												
3	10	8	3	20	1	00	5	00	6	00		10	3	10	3	10												
3	17	8	3	31		00		00		00	3	10	19	10	22	10												
3	24	8	4	7		00	5	00	5	00		10		10		10												
3	31	8	4	10	5	00	2	00	7	00	12	10	12	10	24	10												
4	7	8	4	21	1	00		00	1	00	19	10	33	10	52	10												
4	14	8	4	24	-		-		-		60	20	36	20	96	30												
4	21	8	5	7	-		-		-		120	20	57	20	177	20												
4	29	8	5	8	-		-		-		58	20	39	20	97	20												
5	5	8	5	14	-		-		-		33	20	118	20	151	20												
5	12	8	5	27	-		-		-		26	10	33	10	59	10												
5	26	8	6	4	-		-		-		117	30	46	20	163	30												
6	2	8	6	16	-		-		-		94	30	29	10	123	30												
6	11	8	6	17	-		-		-		205	30	15	10	220	30												
6	18	8	6	27	-		-		-		121	20	24	10	145	30												
7	9	8	7	17	-		-		-		322	20	124	10	446	20												
7	16	8	7	24	-		-		-		426	30	104	20	530	30												
7	25	8	8	1	-		-		-		131	20	35	10	166	30												
7	31	8	8	13	-		-		-		218	40	60	20	278	40												
8	6	8	8	15	-		-		-		312	40	49	20	361	50												
8	13	8	8	22	-		-		-		232	30	30	10	262	30												
8	21	8	9	2	-		-		-		14	10	99	10	113	10												
8	27	8	9	8	-		-		-		25	10	47	10	72	10												
9	3	8	9	16	-		-		-		42	20	15	20	57	20												
9	11	8	9	26	-		-		-		14	10	30	10	44	10												
9	22	8	10	1	-		-		-		10	10	19	10	29	10												
9	30	8	10	10	2	00	3	00	5	00	9	10	28	10	37	10												

PHS-2848-4
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE OHIO
MAJOR BASIN OHIO RIVER
SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION OHIO RIVER AT CINCINNATI, OHIO

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
11	4	7	11	21		00		00		00	2	10	28	10	30	10												
11	11	7	11	21		00		00		10	9	10	95	10	104	10												
11	18	7	12	12	4	00	3	00	7	10	45	10	16	10	61	20												
11	25	7	12	18	1	00	2	00	3	00	13	10	36	10	49	10												
12	2	7	12	18	2	00		00	2	00	1	10	8	10	9	10												
12	11	7	12	19	5	00	1	00	6	00	69	10	11	10	80	10												
12	18	7	12	27	4	00		00	4	00	4	10		10	4	10												
12	26	7	1	7	2	00		00	2	00	10	10	1	10	11	10												
1	2	8	1	13	3	00		00	3	00	17	10	10	10	27	10												
1	8	8	1	16	2	00		00	2	00		10	12	10	12	10												
1	15	8	1	27		00		00		00	5	10	2	10	7	10												
1	22	8	1	31	2	00		00	2	00	11	10	5	10	16	20												
1	29	8	2	7	5	10	1	00	6	10	63	20	45	10	108	20												
2	5	8	2	14	3	00		00	3	00	18	20		10	18	20												
2	12	8	2	20	2	00	1	00	3	00	31	20	18	10	49	20												
2	19	8	2	28		00		00		00	1	10	5	10	6	10												
2	26	8	3	6		00	1	00	1	00	1	10		10	1	10												
3	5	8	3	12	4	00	1	00	5	00	55	10	15	10	70	20												
3	11	8	3	20	2	00		00	2	00	58	10	2	10	60	10												
3	19	8	3	31	1	00		00	1	00	10	10	8	10	18	10												
3	26	8	4	7	1	00		00	1	00	4	10		10	4	10												
4	2	8	4	11	2	00	2	00	4	00	24	10	18	10	42	10												
4	9	8	4	22	-		-		-		-		11	10	-													
4	16	8	4	23	-		-		-		16	10	15	10	31	20												
4	23	8	4	29	-		-		-		232	10	14	10	246	10												
4	30	8	5	9	-		-		-		46	20	23	10	69	30												
5	5	8	6	11	-		-		-		28	10	20	10	48	10												
5	14	8	5	21	-		-		-		18	10	9	10	27	10												
5	21	8	5	29	-		-		-		42	20	19	10	61	20												
5	28	8	6	5	-		-		-		17	10	13	10	30	10												
6	4	8	6	13	-		-		-			10	1	10	1	10												
6	11	8	6	18	-		-		-		17	10	33	10	50	10												
6	18	8	6	25	-		-		-		38	20	22	10	60	20												
6	25	8	7	1	-		-		-		20	10	31	10	51	10												
7	2	8	7	10	-		-		-		7	10	34	10	41	10												
7	9	8	7	16	-		-		-		9	10	29	10	38	10												
7	16	8	7	23	-		-		-		212	30	128	20	340	30												
7	23	8	7	30	-		-		-		102	10	64	10	166	20												
7	30	8	8	11	-		-		-		54	20	49	10	103	20												
8	6	8	8	15	-		-		-		84	20	57	10	141	20												
8	13	8	8	21	-		-		-		68	20	37	10	105	30												

PHS-2948-4
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE OHIO
MAJOR BASIN OHIO RIVER
SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION OHIO RIVER AT CINCINNATI, OHIO

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
8	20	8	8	29	-		-		-			10	42	10	42	20												
8	27	8	9	3	-		-		-		36	10	62	10	98	10												
9	3	8	9	12	-		-		-		1	10		10	1	10												
9	10	8	9	18	-		-		-		4	10	23	10	27	10												
9	17	8	9	29	-		-		-		6	10	33	10	39	10												
9	24	8	10	1	-		-		-		13	20	23	20	36	30												

PHS-2049-A
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE OHIO
MAJOR BASIN OHIO RIVER
SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION OHIO RIVER AT
EAST LIVERPOOL, OHIO

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
11	4	7	11	8		00		00		00		10	17	10	17	10												
11	18	7	12	13		00	1	00	1	00		10	10	10	10	10												
11	25	7	12	16		00	1	00	1	00		10	4	10	4	10												
12	2	7	12	17		00		00		00		10	8	10	8	10												
12	10	7	12	24	1	00		00	1	00		10		10		20												
12	16	7	1	3		00		00		00	6	10	9	10	15	10												
1	6	8	1	13		00		00		00		10	1	10	1	10												
1	13	8	1	21		00		00		00	7	10	13	10	20	10												
1	21	8	1	31		00		00		00	7	10	6	10	13	10												
1	28	8	2	11		00		00		00	9	10	22	10	31	10												
2	3	8	2	13		00		00		00	2	00	26	10	28	10												
2	10	8	2	18		00		00		00	6	10	7	10	13	10												
2	18	8	3	5		00	1	00	1	00	2	10	3	10	5	10												
2	24	8	3	11		00		00		00		10	3	10	3	10												
3	5	8	3	13	1	00		00		00	7	10		10	7	10												
3	11	8	3	19		00		00		00		10		10		10												
3	17	8	3	25		00		00		00	3	00	14	10	17	10												
3	24	8	3	31		00		00		00		10		10		10												
3	31	8	4	10	1	00		00	1	00	2	10	6	10	8	10												
4	14	8	4	24	-		-		-		17	10	18	10	35	10												
4	21	8	4	29	-		-		-		13	00	2	10	15	10												
4	29	8	5	8	-		-		-		52	20	13	10	65	20												
5	12	8	5	16	-		-		-		16	10	9	10	25	10												
6	2	8	6	13	-		-		-		1	10	29	10	30	10												
6	9	8	6	16	-		-		-		2	10	27	10	29	10												
7	10	8	7	16	-		-		-		101	10	90	10	191	10												
7	15	8	7	23	-		-		-		12	10	36	10	48	10												
7	23	8	7	30	-		-		-		73	10	200	20	273	20												
8	4	8	8	13	-		-		-		17	10	33	10	50	10												
8	18	8	8	26	-		-		-		8	10	31	10	39	10												
8	26	8	9	4	-		-		-		57	10	43	10	100	10												
9	22	8	10	1	-		-		-		9	10	38	10	47	10												
9	30	8	10	7		00	3	00	3	00	2	10	25	10	27	10												

PHS-2649-4
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE OKLAHOMA
MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN ARK. RIVER, KANS-COLO LINE TO TULSA
STATION LOCATION ARKANSAS RIVER AT
PONCA CITY, OKLAHOMA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
4	7	8	4	23	-		-		-		198	20	103	20	301	30												
4	14	8	4	25	-		-		-		97	20	67	20	164	20												
4	21	8	5	1	-		-		-		20	10	50	10	70	10												
4	28	8	5	14	-		-		-		20	10	1314	30	1334	30												
5	8	8	5	15	-		-		-		856	50	40	20	896	50												
5	12	8	5	26	-		-		-		85	20	84	20	169	20												
5	19	8	6	3	-		-		-		116	20	35	20	151	30												
5	26	8	6	4	-		-		-		160	20	65	20	225	30												
6	2	8	6	13	-		-		-		27	20	264	20	291	30												
6	8	8	6	16	-		-		-		144	20	11	20	155	30												
6	16	8	6	20	-		-		-		170	20	132	20	302	20												
6	23	8	6	30	-		-		-		129	20	192	20	321	30												
6	30	8	7	11	-		-		-		396	30	42	20	438	30												
7	7	8	7	17	-		-		-		614	50	91	20	705	60												
7	14	8	7	23	-		-		-		1001	30	234	20	1235	30												
7	21	8	7	30	-		-		-		27	30	21	20	48	30												
7	28	8	8	7	22	10	2	00	24	10	359	20	246	20	605	30												
8	4	8	8	15	36	30	1	00	37	30	663	40	206	30	869	50												
8	18	8	9	2	2	00		10	2	10	52	20	152	20	204	30												
8	25	8	9	2	2	00	2	10	4	10	72	10	124	20	196	20												
9	2	8	9	11	9	00	-		-		89	10	112	10	201	10												
9	8	8	9	17		10	4	10	4	10	167	30	157	20	324	30												
9	15	8	9	29	-		-		-		125	20	59	10	184	20												
9	22	8	10	1	-		-		-		141	30	60	20	201	30												
9	29	8	10	7	23	10	8	00	31	10	155	30	87	20	242	30												

PHS-2040-4
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE OREGON
MAJOR BASIN PACIFIC NORTHWEST
SUB BASIN COLUMBIA RIVER BELOW YAKIMA RIVER
STATION LOCATION COLUMBIA RIVER AT BONNEVILLE, OREGON

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
11	11	7	1	2		00		00		00	50	10	243	10	293	10												
11	18	7	12	14		00	1	00	1	00	25	10	348	10	373	20												
11	25	7	12	18		00	2	00	2	00	14	10	482	10	496	20												
12	2	7	12	18		00		00		00	36	10	578	10	614	20												
12	9	7	12	20		00		00		00	37	10	552	10	589	20												
12	16	7	1	3		00		00		00	38	10	370	10	408	10												
12	23	7	1	10		00	1	00	1	00	27	10	388	10	415	10												
12	30	7	1	13		00	2	00	2	00	33	10	387	10	420	10												
1	6	8	1	15		00	1	00	1	00	3	10	345	10	348	10												
1	13	8	1	27		00	1	00	1	00	67	10	545	10	612	10												
1	20	8	2	4		00		00		00	64	10	465	10	529	10												
1	27	8	2	13		00		00		00	41	10	276	10	317	10												
2	3	8	2	19		00		00		00	52	10	432	10	484	10												
2	10	8	2	21		00	2	00	2	00	50	10	510	10	560	10												
2	17	8	2	28		00	2	00	2	00	54	10	321	10	375	10												
2	24	8	3	11		00		00		00	70	10	237	10	307	10												
3	3	8	3	14	1	00		00	1	00	58	10	273	10	331	10												
3	10	8	3	21	1	00	1	00	2	00	60	10	252	10	312	10												
3	17	8	3	26		00		00		00	46	10	131	10	177	10												
3	24	8	4	7		00		00		00	47	10	268	10	315	10												
3	31	8	4	17		00	3	00	3	00	100	10	416	10	516	20												
4	7	8	4	23	-		-		-		61	10	272	10	333	10												
4	14	8	4	24	-		-		-		70	10	296	10	366	10												
4	21	8	4	29	-		-		-		66	10	239	10	305	10												
4	28	8	5	13	-		-		-		32	10	161	10	193	10												
5	5	8	5	15	-		-		-		48	10	242	10	290	10												
5	12	8	5	20	-		-		-		78	10	198	10	276	10												
5	19	8	5	28	-		-		-		52	10	234	10	286	10												
5	26	8	6	11	-		-		-		71	10	109	10	180	10												
6	2	8	6	27	-		-		-		30	10	90	10	120	10												
6	10	8	6	20	-		-		-		20	10	94	10	114	10												
6	16	8	6	26	-		-		-		33	10	79	10	112	10												
6	23	8	6	30	-		-		-		39	10	180	10	219	10												
6	30	8	7	10	-		-		-		37	10	222	10	259	10												
7	7	8	7	16	-		-		-		72	10	291	10	363	10												
7	14	8	7	23	-		-		-		24	10	91	10	115	10												
7	21	8	8	1	-		-		-		10	10	240	10	250	10												
7	28	8	8	13	-		-		-		22	10	384	10	406	10												
8	4	8	8	15	-		-		-		26	10	246	10	272	10												
8	11	8	8	25	-		-		-			10	237	10	237	10												
8	19	8	8	29	-		-		-		12	10	238	10	250	10												

PHS-2049-6
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE: OREGON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: COLUMBIA RIVER BELOW YAKIMA RIVER
STATION LOCATION: COLUMBIA RIVER AT BONNEVILLE, OREGON

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
8	25	8	9	8	-		-		-		42	10	322	10	364	10												
9	2	8	9	12	-		-		-		19	10	307	10	326	10												
9	8	8	9	19	-		-		-		57	10	242	10	299	10												
9	15	8	10	1	-		-		-		35	00	280	10	315	10												
9	22	8	10	3		00		00		00	25	10	393	10	418	10												
9	29	8	10	10	4	00		00	4	00	315	20	78	10	393	30												

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PHS-2069-4
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE: OREGON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: COLUMBIA RIVER BELOW YAKIMA RIVER
STATION LOCATION: COLUMBIA RIVER NEAR CLATSKANIE, OREGON

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
4	4	8	4	21		00	1	00	1	00	52	10	138	10	190	10												
4	14	8	4	28	-		-		-		42	10	192	10	234	10												
4	21	8	5	2	-		-		-		43	10	183	10	226	10												
4	28	8	5	8	-		-		-		38	10	104	10	142	10												
5	5	8	5	15	-		-		-		30	10	154	10	184	10												
5	13	8	5	27	-		-		-		45	10	141	10	186	10												
5	19	8	6	2	-		-		-		41	10	124	10	165	10												
5	26	8	6	11	-		-		-		225	10	73	10	298	10												
6	2	8	6	13	-		-		-		44	10	56	10	100	10												
6	9	8	6	17	-		-		-		36	10	100	10	136	10												
6	16	8	6	26	-		-		-		25	10	95	10	120	10												
6	23	8	7	1	-		-		-		43	10	130	10	173	10												
6	3	8	7	11	-		-		-		37	10	127	10	164	10												
7	7	8	7	22	-		-		-		14	10	145	10	159	10												
7	14	8	7	25	-		-		-		15	10	150	10	165	10												
7	23	8	8	1	-		-		-		13	10	193	10	206	10												
8	1	8	8	15	-		-		-		4	10	156	10	160	10												
8	5	8	8	22		00		00		00	21	10	182	10	203	10												
8	11	8	8	25		00		00		00	17	10	253	10	270	10												
8	25	8	9	5	-		-		-		16	10	195	10	211	10												
9	2	8	9	22		00		00		00	24	10	166	10	190	10												
9	9	8	9	19	-		-		-		13	10	282	10	295	10												
9	15	8	10	1	-		-		-		12	10	243	10	255	10												
9	22	8	10	2	-		-		-		26	10	16	10	42	10												

PHS-2449-4
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE PENNSYLVANIA
MAJOR BASIN NORTH ATLANTIC
SUB BASIN DELAWARE-LEHIGH RIVERS
STATION LOCATION DELAWARE RIVER AT EASTON, PENNSYLVANIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER													RADIOACTIVITY IN PLANKTON (dry)							RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA					DATE OF DETERMINATION		GROSS ACTIVITY					GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL			ALPHA		BETA			SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
4	15	8	4	24	-		-		-		2	10	5	10	7	10												
4	25	8	5	1	-		-		-		5	10	11	10	16	10												
5	2	8	5	12	-		-		-		13	10	16	10	31	10												
5	8	8	5	14	-		-		-		11	10	11	10	22	10												
5	23	8	6	2	-		-		-		2	10	9	10	11	10												
6	20	8	6	26	-		-		-		3	10	16	10	19	10												
7	11	8	7	21	-		-		-		6	10	9	10	15	10												

PHS-2848-4
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE PENNSYLVANIA
MAJOR BASIN NORTH ATLANTIC
SUB BASIN DELAWARE-SCHUYLKILL RIVERS
STATION LOCATION DELAWARE RIVER AT PHILADELPHIA, PENNSYLVANIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
11	4	7	11	16		00		00		00	9	10	10	10	19	10												
11	11	7	12	6		00		00		00	1	10	10	10	11	10												
11	18	7	12	12	1	00	1	00	2	00	36	10	31	10	67	10												
11	25	7	12	18		00		00		00	9	10	22	10	31	10												
12	2	7	12	16		00		00		00	32	10	36	10	68	10												
12	10	7	12	19	1	00		00	1	00	9	10	5	10	14	10												
12	16	7	1	3	1	00		00	1	00	5	10	3	10	8	10												
12	30	7	1	9		00		00		00	6	10	11	10	17	10												
1	6	8	1	16	1	00	1	00	2	00		10		10		10												
1	13	8	1	21		00		00		00	4	10	4	10	8	10												
1	20	8	2	4	1	00		00	1	00	21	10		10	21	10												
1	27	8	2	7	3	00		00	3	00	31	10	7	10	38	10												
2	3	8	2	19		00	7	10	7	10	4	00	7	00	11	10												
2	10	8	2	21		00	1	00	1	00		10	14	10	14	10												
2	18	8	3	5		00	1	00	1	00		10	10	10	10	10												
2	24	8	3	7		00		00		00	8	10	2	10	10	10												
3	3	8	3	14	3	00		00	3	00	38	10	18	10	56	10												
3	10	8	3	24	3	00	1	00	4	00	1	10	19	10	20	10												
3	17	8	3	27		00		00		00	7	10	10	10	17	10												
3	24	8	4	3		00		00		00	4	10		10	4	10												
3	31	8	4	21		00		00		00	32	10	30	10	62	10												
4	7	8	4	23	-		-		-		28	10	32	10	60	20												
4	14	8	4	23	-		-		-		8	10	4	10	12	10												
4	21	8	5	2	-		-		-			10	2	10	2	10												
4	28	8	5	8	-		-		-		10	10	17	10	27	10												
5	5	8	5	15	-		-		-		89	10	8	10	97	10												
5	12	8	5	21	-		-		-		6	10	18	10	24	10												
5	19	8	5	28	-		-		-		1	10	20	10	21	10												
5	26	8	6	4	-		-		-		1	10	6	10	7	10												
6	2	8	6	16	-		-		-		5	10	3	10	8	10												
6	9	8	6	17	-		-		-		23	10		10	23	10												
6	16	8	6	20	-		-		-		8	10	2	10	10	10												
6	24	8	6	30	-		-		-			10	8	10	8	10												
6	30	8	7	9	-		-		-		1	10	6	10	7	10												
7	8	8	7	16	-		-		-		8	10	36	10	44	10												
7	22	8	7	31	-		-		-		32	10	1	10	33	10												
7	28	8	8	7	-		-		-		9	10	28	10	37	10												
8	4	8	8	14	-		-		-		3	00	25	10	28	10												
8	11	8	8	21	-		-		-		6	10	25	10	31	10												
8	18	8	8	26	-		-		-		39	10	26	10	65	10												
8	25	8	9	5	-		-		-		7	10	18	10	25	10												

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11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE PENNSYLVANIA
MAJOR BASIN NORTH ATLANTIC
SUB BASIN DELAWARE-SCHUYLKILL RIVERS
STATION LOCATION DELAWARE RIVER AT
PHILADELPHIA, PENNSYLVANIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
9	2	8	9	12	-		-		-		65	10	112	10	177	10												
9	8	8	9	17	-		-		-		5	10	53	10	58	10												
9	15	8	9	29	-		-		-		10	10	11	10	21	10												
9	22	8	10	1	-		-		-			00	26	10	26	10												
9	29	8	10	13		00		00		00	5	00	4	10	9	10												

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11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE SOUTH CAROLINA
MAJOR BASIN SOUTHEAST
SUB BASIN SAVANNAH RIVER
STATION LOCATION SAVANNAH RIVER AT NORTH AUGUSTA, SOUTH CAROLINA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
1	27	8	2	11	2	00	1	00	3	00	17	10	11	10	28	10												
2	3	8	2	14		00		00		00	8	10	3	10	11	10												
2	10	8	2	19	1	00	2	00	3	00	8	10	14	10	22	10												
2	17	8	2	27		00		00		00		10	10	10	10	10												
2	24	8	3	5		00		00		00	5	10		10	5	10												
3	3	8	3	12	1	00		00	1	00	26	20	4	10	30	20												
3	10	8	3	19	1	00	1	00	2	00	12	10	18	10	30	10												
3	17	8	3	25		00		00		00	4	10	7	10	11	10												
3	24	8	4	2		00		00		00		10		10		10												
3	31	8	4	10		00		00		00	39	10	39	10	78	10												
4	8	8	4	23	-		-		-		12	10	4	10	16	20												
4	14	8	4	24	-		-		-		35	10	15	10	50	10												
4	21	8	5	1	-		-		-		17	00	9	00	26	10												
4	29	8	5	19	-		-		-		8	10	8	10	16	10												
5	5	8	5	14	-		-		-		9	10	12	10	21	10												
5	12	8	4	25	-		-		-		12	10	7	10	19	10												
5	19	8	5	26	-		-		-		9	10	22	10	31	10												
5	26	8	6	11	-		-		-		7	10	17	10	24	10												
6	2	8	6	15	-		-		-		8	10	18	10	26	20												
6	9	8	6	17	-		-		-		59	10	19	10	78	10												
6	16	8	6	20	-		-		-		20	10	12	00	32	10												
6	24	8	7	1	-		-		-		12	10	11	10	23	10												
6	30	8	7	9	-		-		-		12	10	6	10	18	10												
7	7	8	7	11	-		-		-		76	10	13	10	89	10												
7	21	8	7	30	-		-		-		29	10	29	10	58	10												
7	29	8	8	7	-		-		-		15	10	21	10	36	10												
8	4	8	8	14	-		-		-		13	10	11	10	24	10												
8	11	8	8	20	-		-		-		11	10	22	10	33	10												
8	18	8	8	29	-		-		-			10	14	10	14	10												
8	25	8	9	5	-		-		-		6	10	6	10	12	10												
9	2	8	9	15	-		-		-		3	10	7	10	10	10												
9	8	8	9	16	-		-		-		4	10	14	10	18	10												
9	15	8	9	26	-		-		-			00	2	00	2	10												
9	22	8	10	1	-		-		-			10	1	10	1	10												
9	29	8	10	13		00		00		00	2	10	8	10	10	10												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE SOUTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER AT YANKTON, SOUTH DAKOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
11	4	7	11	27		00		00		00	21	10	33	10	54	10												
11	11	7	12	13	1	00	4	00	5	00	1	10	32	10	33	10												
11	18	7	12	18		00	5	00	5	00		10	37	10	37	10												
11	25	7	12	16		00	4	00	4	00		10	17	10	17	10												
12	2	7	12	17		00		00		00	4	10	54	10	58	10												
12	10	7	12	20		00	5	00	5	00		10	22	10	22	10												
12	16	7	12	30		00	3	00	3	00	4	10	25	10	29	10												
12	23	7	1	10		00	4	00	4	00		10	20	10	20	10												
12	30	7	1	9		00	4	00	4	00		10	10	10	10	10												
1	6	8	1	21		00		00		00	13	10		10	13	10												
1	13	8	1	22		00	3	00	3	00	3	10	19	10	22	10												
1	20	8	2	3		00	5	00	5	00	6	10	23	10	29	10												
1	27	8	2	4		00		00		00	1	10	9	10	10	10												
2	3	8	2	19		00	4	00	4	00	6	00	23	10	29	10												
2	10	8	2	20		00	2	00	2	00		10	11	10	11	10												
2	17	8	3	4		00	4	00	4	00	6	10	13	10	19	10												
2	24	8	3	6		00	4	00	4	00		10	17	10	17	10												
3	3	8	3	14		00	6	00	6	00	4	10	6	10	10	10												
3	10	8	3	21		00	2	00	2	00	12	10	27	10	39	10												
3	17	8	3	26		00	3	00	3	00	5	00	14	10	19	10												
3	24	8	4	7		00	2	00	2	00	1	10	16	10	17	10												
3	31	8	4	14	1	00	5	00	6	00	5	10	18	10	23	10												
4	7	8	4	22	1	00	4	00	5	00	17	10	25	10	42	10												
4	14	8	4	25	-		-		-		7	10	39	10	46	10												
4	21	8	5	2	-		-		-		7	10		10	7	10												
4	28	8	5	9	-		-		-		7	10	17	10	24	10												
5	5	8	5	14	-		-		-			10	35	10	35	10												
5	12	8	5	29	-		-		-		46	10	8	10	54	10												
5	19	8	5	28	-		-		-			10	33	10	33	10												
5	26	8	6	9	-		-		-		2	10	24	10	26	10												
6	2	8	6	13	-		-		-		1	10	66	10	67	10												
6	9	8	6	18	-		-		-		6	00	47	10	53	10												
6	16	8	6	26	-		-		-			00	18	10	18	10												
6	30	8	7	11	-		-		-			10	42	10	42	10												
7	7	8	7	22	-		-		-		7	10	49	10	56	10												
7	14	8	7	23	-		-		-		12	10	44	10	56	10												
7	21	8	7	30	-		-		-		5	10	93	10	98	10												
7	28	8	8	11	-		-		-		23	00	59	10	82	10												
8	4	8	8	15	-		-		-			10	27	10	27	10												
8	11	8	8	21	-		-		-		4	10	47	10	51	10												
8	18	8	8	28	-		-		-			10	33	10	33	10												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE SOUTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER AT YANKTON, SOUTH DAKOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
8	25	8	9	5	-		-		-		5	10	49	10	54	10												
9	2	8	9	15	-		-		-		2	10	40	10	42	10												
9	8	8	9	16	-		-		-		17	10		10	17	10												
9	15	8	9	29	-		-		-			10	26	10	26	10												
9	22	8	10	1	-		-		-		3	10	20	10	23	10												
9	29	8	10	10	1	00	6	00	7	00	1	00	21	10	22	10												

FWS-2548-6
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

STATE TENNESSEE

MAJOR BASIN TENNESSEE RIVER

SUB BASIN TENNESSEE MAIN STEM & MINOR TRIB.

STATION LOCATION TENNESSEE RIVER AT CHATTANOOGA, TENNESSEE (SEE NOTE)

RADIOACTIVITY DETERMINATIONS

NOTE: Results may be influenced by discharge from South Chickamauga Creek.

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER												RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA				DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
3	12	8	3	24	1	00		00	1	00	2	10	4	10	6	10										
3	18	8	3	27	1	00	1	00	2	00	28	10	9	10	37	10										
3	25	8	4	4	1	00		00	1	00	24	10		10	24	10										
4	1	8	4	15	1	00	1	00	2	00	24	10	19	10	43	10										
4	8	8	4	22	1	00	1	00	2	00	14	10	6	10	20	10										
4	15	8	4	25	-		-		-		42	20	30	10	72	20										
4	22	8	5	1	-		-		-		32	10	44	10	76	10										
4	29	8	5	8	-		-		-		54	10	40	10	94	10										
5	5	8	5	15	-		-		-		20	10	18	10	38	10										
5	12	8	5	27	-		-		-		22	10	26	10	48	10										
5	20	8	6	2	-		-		-		6	10	32	10	38	10										
5	27	8	6	10	-		-		-		80	10	15	10	95	10										
6	3	8	6	13	-		-		-			10	52	10	52	10										
6	10	8	6	18	-		-		-		-		17	10	-											
6	17	8	6	26	-		-		-			00	16	10	16	10										
6	24	8	7	1	-		-		-			00		10		10										
7	1	8	7	11	-		-		-		13	10	46	10	59	10										
7	8	8	7	17	-		-		-		89	10	258	10	347	10										
7	15	8	7	24	-		-		-		6	10	31	10	37	10										
7	22	8	8	1	-		-		-		11	10	38	10	49	10										
7	29	8	8	11	-		-		-			00	124	10	124	10										
8	5	8	8	15	-		-		-			00	53	10	53	10										
8	12	8	8	25	-		-		-		3	10	157	10	160	10										
8	19	8	8	28	-		-		-		52	10	50	10	102	10										
8	26	8	9	5	-		-		-			10	46	10	46	10										
9	2	8	9	12	-		-		-			10	22	10	22	10										
9	8	8	9	18	-		-		-		18	10	51	10	69	10										
9	23	8	10	2	-		-		-		2	10	2	10	4	10										
9	30	8	10	13		00		00		00	24	10	64	10	88	10										

PHS-2048-4
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE TEXAS
MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN LOWER RED RIVER BELOW DENISON
STATION LOCATION RED RIVER AT DENISON, TEXAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
8	4	8	8	15		00	8	10	8	10		00	79	40	79	40												
8	11	8	8	22		00		10		10		10	86	20	86	20												
8	18	8	8	27		00		10		10		00	83	20	83	20												
8	25	8	9	4		00	-		-			10	24	10	24	10												
9	2	8	9	16		00	3	00	3	00	6	10	33	10	39	10												
9	8	8	9	18		00		00		00	4	10	13	10	17	10												
9	15	8	9	29	-		-		-			10	47	10	47	10												
9	22	8	10	1	-		-		-		4	10	18	10	22	10												
9	29	8	10	13		00	4	10	4	10		10	61	10	61	20												

PHS-2949-A
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE TEXAS
MAJOR BASIN WESTERN GULF
SUB BASIN RIO GRANDE-UPPER-ABOVE PECOS
STATION LOCATION RIO GRANDE RIVER AT
EL PASO, TEXAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	pc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
3	31	8	4	14	12	10	1	00	13	10	34	20	16	20	50	30												
4	7	8	4	22	16	10	2	00	18	10	58	20	17	20	75	30												
4	14	8	4	24	-		-		-		34	20	17	10	51	20												
4	21	8	5	2	-		-		-			10	36	20	36	20												
4	28	8	5	8	-		-		-		38	20	21	20	59	20												
5	5	8	5	20	-		-		-		28	10	34	10	62	10												
5	12	8	5	19	-		-		-		34	20	11	20	45	30												
5	19	8	5	28	-		-		-		109	30	40	20	149	30												
5	26	8	6	5	-		-		-		42	10	17	10	59	10												
6	2	8	6	13	-		-		-		49	20	33	20	82	30												
6	9	8	6	18	-		-		-		46	20	520	20	566	30												
6	17	8	6	23	-		-		-		31	10	37	10	68	20												
6	23	8	7	1	-		-		-		33	10	31	10	64	20												
6	30	8	7	9	-		-		-		26	10	39	10	65	10												
7	7	8	7	17	-		-		-		338	30	39	10	377	30												
7	14	8	7	25	-		-		-		43	30	222	30	265	30												
7	21	8	7	30	-		-		-		123	20	46	20	169	30												
7	28	8	8	11	1	00	20	10	21	10	3	10	43	10	46	20												
8	4	8	8	14	6	00	3	00	9	00	95	20	65	10	160	30												
8	11	8	8	21	2	00	3	00	5	00	42	10	50	10	92	10												
8	18	8	8	27	2	00	4	00	6	00	71	30	44	10	115	30												
8	26	8	9	4	1	10		00	1	10	208	20	96	20	304	30												
9	2	8	9	16	2	00		10	2	10	25	10	55	20	80	20												
9	8	8	9	19	-		-		-		164	20	77	20	241	20												
9	15	8	9	29	-		-		-		238	10	101	20	339	20												
9	22	8	10	1	-		-		-		59	20	26	20	85	30												

PHS-3948-4
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE: TEXAS
MAJOR BASIN: WESTERN GULF
SUB BASIN: RIO GRANDE-LOWER-BELOW PECOS
STATION LOCATION: RIO GRANDE RIVER AT LAREDO, TEXAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
11	11	7	12	13	1	00	1	00	2	00	46	10	45	10	91	20												
11	18	7	12	14	7	00	3	00	10	10	75	10	61	10	136	20												
11	25	7	12	16		00	10	10	10	10	37	10	14	10	51	10												
12	2	7	12	17	1	00	1	00	2	00	2	10		10	2	10												
12	10	7	12	20		00		00		00	2	10	4	10	6	10												
12	17	7	1	3		00	8	10	8	10	6	10	12	10	18	10												
12	24	7	1	7	11	00	3	00	14	00	32	10	10	10	42	10												
12	31	7	1	13		00		00		00	14	10	33	10	47	10												
1	7	8	1	17	4	10		00	4	10	76	20	4	10	80	30												
1	14	8	1	23	1	00	1	00	2	00	1	10	7	10	8	10												
1	21	8	2	3	1	00	2	00	3	00	2	00	12	10	14	10												
1	28	8	2	10	1	00	3	00	4	00	10	10	28	10	38	10												
2	3	8	2	14		00	1	00	1	00		10	12	10	12	10												
2	11	8	2	27	1	00	3	10	4	10		10	4	10	4	10												
2	18	8	3	4		00	6	10	6	10	5	10	8	10	13	10												
2	25	8	3	6	1	00		00	1	00	5	10		10	5	10												
3	4	8	3	17	2	00		00	2	00	4	10	1	10	5	10												
3	11	8	3	24	3	00	1	00	4	00	1	10	19	10	20	10												
3	18	8	3	27	1	00	3	00	4	00	8	10	54	10	62	10												
3	25	8	4	3		00	2	00	2	00	19	10	34	10	53	10												
4	1	8	4	27		00	1	00	1	00	6	10	12	10	18	10												
4	8	8	4	22	1	00		00	1	00	1	10		10	1	10												
4	15	8	4	24	-		-		-		14	10		10	14	10												
4	22	8	5	1	-		-		-			10	20	10	20	10												
4	29	8	5	8	-		-		-		5	10	18	10	23	10												
5	6	8	5	15	-		-		-		8	10	42	10	50	10												
5	13	8	5	27	-		-		-		3	10	13	10	16	10												
5	20	8	5	29	-		-		-		80	20	56	20	136	30												
5	27	8	6	10	-		-		-		17	10	23	10	40	10												
6	3	8	6	16	-		-		-		1	10	17	10	18	10												
6	10	8	6	17	-		-		-		9	00	37	10	46	10												
6	17	8	6	25	-		-		-			10	18	10	18	10												
6	24	3	7	1	-		-		-		24	10	18	10	42	10												
7	1	8	7	11	-		-		-		60	10	139	10	199	10												
7	8	8	7	17	-		-		-		320	30	212	10	532	30												
7	15	8	7	24	-		-		-		65	10	229	10	294	20												
7	22	8	7	31	-		-		-		5	10	73	10	78	10												
7	29	8	8	11	-		-		-			10	77	10	77	10												
8	5	8	8	18	-		-		-			00	45	10	45	10												
8	12	8	8	25	-		-		-		15	10	54	10	69	10												
8	19	8	8	28	-		-		-		28	10	94	10	122	10												

PHS-2642-4
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE TEXAS
MAJOR BASIN WESTERN GULF
SUB BASIN RIO GRANDE-LOWER-BELOW PECOS
STATION LOCATION RIO GRANDE RIVER AT LAREDO, TEXAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
8	26	8	9	5	-		-		-		23	10	43	10	66	10												
9	2	8	9	15	-		-		-		18	10	125	10	143	10												
9	9	8	9	19	-		-		-		164	20	67	20	231	20												
9	16	8	10	1	-		-		-		113	20	32	20	145	30												
9	23	8	10	3	18	10	1	00	19	10	210	20	38	10	248	30												
9	29	8	10	13	-			00	-		589	50	24	10	613	50												

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PHS 2048-A
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE: WASHINGTON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: MIDDLE & LOWER SNAKE RIVER
STATION LOCATION: COLUMBIA RIVER AT PASCO, WASHINGTON

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	ppc/l	±	ppc/l	±	ppc/l	±	ppc/l	±	ppc/l	±	ppc/l	±	MO	DAY	ppc/g	±	ppc/g	±	ppc/l	±	ppc/l	±	ppc/l	±
11	4	7	11	25		00		00		00	45	10	831	20	876	20												
11	11	7	1	2		00		00		00	50	10	243	10	293	10												
11	18	7	12	17		00	1	00	1	00	10	10	829	10	839	20												
11	25	7	12	18		00		00		00	26	10	783	20	809	20												
12	2	7	12	17		00		00		00	50	10	1212	20	1262	20												
12	9	7	12	20		00		00		00	83	10	1301	30	1384	30												
12	16	7	12	27		00	1	00	1	00	81	10	1521	30	1602	30												
12	23	7	1	10		00		00		00	66	10	547	10	613	10												
12	30	7	1	9		00		00		00	165	10	2698	20	2863	20												
1	6	8	1	21		00		00		00	58	10	57	10	115	10												
1	13	8	1	27		00	1	00	1	00	91	10	1427	20	1518	20												
1	20	8	1	31		00	1	00	1	00	98	10	1645	20	1743	20												
1	27	8	2	10		00	1	00	1	00	99	10	1440	20	1539	20												
2	3	8	2	17		00		00		00	113	10	1330	20	1443	20												
2	10	8	2	20		00	14	00	14	00	61	10	960	20	1021	20												
2	24	8	3	4		00		00		00	173	10	1070	20	1243	20												
3	10	8	3	24		00	1	00	1	00	43	10	670	20	713	20												
3	17	8	3	27		00	1	00	1	00	94	10	913	20	1007	20												
4	7	8	4	21		00		00		00	99	10	890	20	989	20												
4	16	8	4	29	-		-		-		241	10	541	10	782	10												
4	28	8	5	12	-		-		-		38	10	404	10	442	10												
5	8	8	5	15	-		-		-		60	10	508	10	568	10												
6	10	8	6	20	-		-		-		25	00	353	10	378	10												
6	24	8	7	1	-		-		-		44	10	435	20	479	20												
6	30	8	7	11	-		-		-		11	10	48	10	59	10												
7	7	8	7	22	-		-		-		16	10	196	10	212	10												
7	16	8	7	25	-		-		-		26	10	300	10	326	10												
7	29	8	8	13	-		-		-		37	00	748	20	785	20												
8	4	8	8	15	-		-		-		63	10	467	20	530	20												
8	11	8	8	21	-		-		-		45	10	587	10	632	10												
8	18	8	8	28	-		-		-		154	10	518	10	672	10												
8	25	8	9	5	-		-		-		70	10	1696	30	1766	30												
9	2	8	9	15	-		-		-		42	10	807	20	849	20												
9	9	8	9	19	-		-		-		92	10	1169	20	1261	20												
9	15	8	10	1	-		-		-		170	10	672	10	842	20												
9	22	8	10	3	-		-		-		85	10	944	10	1029	20												
9	29	8	10	10		00	1	00	1	00	72	10	984	10	1056	10												

PHS-2849-4
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE WASHINGTON
MAJOR BASIN PACIFIC NORTHWEST
SUB BASIN MIDDLE & LOWER SNAKE RIVER
STATION LOCATION SNAKE RIVER AT
WAWAWAI, WASHINGTON

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
8	4	8	8	15	1	00	4	00	5	00	1	10	21	10	22	10												
8	11	8	8	25		00		00		00		10	29	10	29	10												
8	18	8	8	27		00	2	00	2	00	7	10	17	10	24	10												
8	25	8	9	4		00	3	00	3	00	2	10	63	10	65	10												
9	2	8	9	15		00		00		00		10	48	10	48	10												
9	8	8	9	18	1	00	2	00	3	00	3	10	14	10	17	10												
9	15	8	9	30	-		-		-		1	00	19	10	20	10												
9	22	8	10	1	-		-		-			00	10	10	10	10												
9	29	8	10	10		00	2	00	2	00	5	10	18	10	23	10												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE WEST VIRGINIA
MAJOR BASIN OHIO RIVER
SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB.
STATION LOCATION OHIO RIVER AT
HUNTINGTON, WEST VIRGINIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
11	4	7	11	15	6	00	1	00	7	00		00	15	10	15	10												
11	11	7	11	19		00	4	00	4	00		00	16	10	16	10												
11	18	7	12	14		00		00		00	16	10	10	10	26	10												
11	25	7	12	16	1	00		00	1	00	7	10		10	7	10												
12	2	7	12	16		00	3	00	3	00	24	10		10	24	10												
12	9	7	12	19	20	10	1	00	21	10	137	20	22	10	159	20												
12	16	7	12	20	1	00		00	1	00		10	4	10	4	10												
12	23	7	1	2	8	00		00	8	00	20	10	20	10	40	10												
12	30	7	1	9		00		00		00	12	10	7	10	19	10												
1	7	8	1	14	1	00		00	1	00	1	10	3	10	4	10												
1	13	8	1	23		00		00		00	9	10	8	10	17	10												
1	20	8	1	28	1	00		00	1	00	21	10		10	21	10												
1	27	8	2	4	1	00		00	1	00	37	20	8	10	45	20												
2	3	8	2	12	2	00	5	10	7	10		10	16	10	16	10												
2	10	8	2	19	1	00		00	1	00	18	10	12	10	30	10												
2	17	8	2	27		00		00		00		10		10		10												
2	24	8	3	4		00		00		00	5	10	3	10	8	10												
3	3	8	3	12	5	00		00	5	00	34	20	7	20	41	20												
3	10	8	3	18	2	00		00	2	00	38	10		10	38	10												
3	17	8	3	25		00		00		00	33	10	14	10	47	10												
3	24	8	4	2		00		00		00	6	10		10	6	10												
3	31	8	4	19	3	00		00	3	00	14	10	18	10	32	10												
4	8	8	4	22	1	00	1	00	2	00	8	10		10	8	10												
4	14	8	4	24	-		-		-		14	10	4	10	18	10												
4	21	8	4	29	-		-		-		6	10	6	10	12	10												
4	28	8	5	7	-		-		-		32	10	14	10	46	20												
5	5	8	5	13	-		-		-		58	20	10	10	68	20												
5	12	8	5	16	-		-		-		32	10	9	10	41	10												
5	19	8	5	28	-		-		-		11	10	27	10	38	10												
5	26	8	6	3	-		-		-		22	10	26	10	48	10												
6	2	8	6	12	-		-		-		3	10		10	3	10												
6	9	8	6	16	-		-		-			10	28	10	28	10												
6	16	8	6	25	-		-		-		26	10	13	10	39	10												
6	23	8	6	30	-		-		-		5	10	20	10	25	10												
6	30	8	7	9	-		-		-		2	10	19	10	21	10												
7	7	8	7	11	-		-		-		40	10	75	10	115	10												
7	14	8	7	23	-		-		-		62	20	48	10	110	20												
7	21	8	7	30	-		-		-		54	10	37	10	91	10												
7	28	8	8	7	-		-		-		44	20	12	10	56	20												
8	4	8	8	19	-		-		-		44	20	30	10	74	20												
8	11	8	8	21	-		-		-		44	20	23	10	67	20												

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WATER QUALITY BASIC DATA - WEEKLY REPORT

RADIOACTIVITY DETERMINATIONS

STATE WEST VIRGINIA

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT HUNTINGTON, WEST VIRGINIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON (dry)						RADIOACTIVITY IN WATER					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY				GROSS ACTIVITY					
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA		SUSPENDED		DISSOLVED		TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	μμc/l	±	MO.	DAY	μμc/g	±	μμc/g	±	μμc/l	±	μμc/l	±	μμc/l	±
8	18	8	8	26	-		-		-		1	10	30	10	31	10												
8	25	8	9	3	-		-		-		20	10	34	10	54	10												
9	2	8	9	12	-		-		-			10	17	10	17	10												
9	8	8	9	18	-		-		-		5	10	21	10	26	10												
9	15	8	9	29	-		-		-			10	27	10	27	10												
9	22	8	10	1	-		-		-		10	10	18	10	28	10												
9	29	8	10	2		00	1	00	1	00	5	10	11	10	16	10												

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WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE ARIZONA
MAJOR BASIN COLORADO RIVER
SUB BASIN LOWER COLORADO RIVER
STATION LOCATION COLORADO RIVER AT YUMA, ARIZONA

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
11	16	7	990	70	110	110				160	540									--946
12	9	7	450	30		40		10		80	290									---7-
1	6	8	220			50		10		30	130		10	10		10			10	-----
2	4	8	1150							450	700					100				-477-
3	10	8	1030	70	20	50				170	720									--77-
4	1	8	370	10		20			10	20	310		10	10			20			-----
6	2	8	1980	70	20	450		90	50	70	1230									-8773
6	18	8	1980	90	50	350		90		210	1190	100								--77-
7	7	8	1640	110		410		150	20	250	700							100		-8-7-
9	2	8	500	10	10	120		20		70	270		10	10						---7-

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WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE ARKANSAS
MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN LOWER MISSISSIPPI-CAIRO TO HELENA
STATION LOCATION MISSISSIPPI RIVER AT WEST MEMPHIS, ARKANSAS

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
4	16	8	3840		20					3030	790									-4---
5	5	8	3570		20	210		20		2530	790									-4777
6	2	8	1520			130				820	570									-4-7-
6	30	8	1700			130				720	850									-4-7-
8	4	8	710	40		40				440	190									-4--7
9	8	8	960		50	90				550	270		100	100						-4--7

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11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE: CALIFORNIA
MAJOR BASIN: COLORADO RIVER
SUB BASIN: LOWER COLORADO RIVER
STATION LOCATION: COLORADO RIVER ABOVE PARKER DAM, ARIZONA-CALIFORNIA

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
1	6	8	590			220		20		240	110									-4---
1	31	8	650			190				50	410									---7-
3	3	8	530	10		40			10	70	400									---7-
4	2	8	110	10		10	10	10		30	40			100						-----
5	8	8	140	10	10	30		10	10	30	40		20	20						-----
6	4	8	260	30	10	140		20	10	10	40		20							-----
7	2	8	290	10	10	100		30	40	20	80	10	10	30		10	10			-----
8	6	8	380	10	10	80		50	30	20	180	20	50	20						---7-
9	3	8	170	10	10	40		20	20	20	50		20				10	10	10	-----

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11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE COLORADO
MAJOR BASIN COLORADO RIVER
SUB BASIN UPPER COLORADO RIVER
STATION LOCATION COLORADO RIVER AT
LOMA, COLORADO

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
6	2	8	300		50		20			40	190			100		100				-----
7	7	8	2660		70	190	20	130		230	2020									5--73
8	11	8	4840		20	530		230	50	1190	2820		200	100						-4773
9	8	8	3280		50	110		90		620	2410	100								-477-

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WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE GEORGIA
MAJOR BASIN SOUTHEAST
SUB BASIN SAVANNAH RIVER
STATION LOCATION SAVANNAH RIVER AT
PORT WENTWORTH, GEORGIA

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
2	24	8	10860			4590	2090	1670	840		1670									1-235
4	7	8	170	10	10	20	10		10	40	70		200							-----
5	5	8	170	10	10	20	10	10	10	40	60		10							-----
6	2	8	820	10	10	30	30	20	10	620	90		30				10	10		-4--7
7	7	8	200	10	10	20		10	10	80	60	10	20	10						-----
8	4	8	240	10	10	20		20	10	120	50	20	40					10		-----
9	8	8	280	10	10	40	10	20	10	140	40		20	30						-----

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11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE IDAHO
MAJOR BASIN PACIFIC NORTHWEST
SUB BASIN CENTRAL SNAKE RIVER
STATION LOCATION SNAKE RIVER AT WEISER, IDAHO

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHER	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Interpretation for Interpretation)
12	9	7	9020	20		80				6860	2060			100	100	200				-477-
2	3	8	570			10				440	120			100						-4---
3	3	8	220		10					20	190									-----
4	7	8	1360	50	70				50	330	860			100			100			-47--
5	5	8	1640		70	50	20			230	1270		100	200						-477-
6	2	8	760		70	70		20		110	490									-----
6	30	8	2290		70	40		20	70	170	1920		100	300						--773
8	4	8	8410	270	310	470	20	190	20	1900	5230		300							-4773
9	2	8	3280		20	190		90		410	2570		300							-4773

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11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE ILLINOIS
MAJOR BASIN OHIO RIVER
SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION OHIO RIVER AT CAIRO, ILLINOIS

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS		FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Interpretation for Interpretation)
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE									
7	21	8	1300	20		230		70	50	620	310		700							-49--
8	18	8	8580	60	40	70	7650	20		270	470			100						1--7-
9	30	8	940		70					560	310									-4-77

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WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE ILLINOIS
MAJOR BASIN UPPER MISSISSIPPI RIVER
SUB BASIN MISSISSIPPI RIVER-ST. LOUIS AREA
STATION LOCATION MISSISSIPPI RIVER AT
EAST ST. LOUIS, ILLINOIS

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
1	6	8	5850			200		10		5140	500		100							-4-7-
2	3	8	31210			190				30520	500									34-75
3	10	8	5340							4530	810									-477-
5	5	8	18380	130	130	2910		130		12020	3060									34-77
6	2	8	5330			290		70	40	4120	810									-4-77
7	7	8	1400	40	40	70				820	430					100				-4-7-
8	4	8	1100		110	20		50	40	510	370									-4---
9	8	8	1650	100	130	40				1280	100		200	100	100					-4--7

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE INDIANA
MAJOR BASIN OHIO RIVER
SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION OHIO RIVER AT
EVANSVILLE, INDIANA

DATE OF SAMPLE				ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
2	17	8	1180		50					510	620									347--
3	5	8	1110		20					410	680									-47-7
4	7	8	1180		20	50				390	720		100	100						-47-7
6	2	8	1140			190				580	370									-4---
7	15	8	2110	20	20	170	110	110	20	1230	430		100				100			-4--7
8	12	8	850			20			50	310	470			400		100				-4---
9	3	8	2260	90		310		410	50	1110	290		200	100						-----

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WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE IOWA
MAJOR BASIN UPPER MISSISSIPPI RIVER
SUB BASIN MISSISSIPPI-DES MOINES-SKUNK RIVERS
STATION LOCATION MISSISSIPPI RIVER AT BURLINGTON, IOWA

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
11	11	7	373[illegible]	1[illegible]	10	350				3050	310		300			300				-4--7
12	9	7	3330	1[illegible]		1190				1890	240		50			100				54---
1	6	8	36010			70				35990	750									14-7-
2	3	8	16560			130				16010	440									-4-7-
3	3	8	9460			220				7520	1720									-4777
4	7	8	53060			130				51770	1160									-4-77
5	12	8	15960	80	110	3940		70	20	9580	2160		400	400	100	100				-4-77
6	9	8	7790			850				6310	630					300				-4-77
7	14	8	3[illegible]			280				2310	410									-4-77
8	4	8	157[illegible]			190				1250	130									-4--7
9	8	8	193[illegible]		100	450				1190	190					100				54-27

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WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI-WAPSIPINICON & TRIB.

STATION LOCATION MISSISSIPPI RIVER AT DUBUQUE, IOWA (SEE NOTE)

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

NOTE: Results may be influenced by retention in lock structure. Sampling site being changed.

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
12	2	7	860			290				340	230									-4--5
1	6	8	13340			350			20	12360	610		200							34-75
2	3	8	7820			100			100	7020	600									-4-7-
3	3	8	7380			250			70	6180	880									-4777
4	7	8	39640			100				37760	1780									34777
5	5	8	27000	40	50	850			20	23400	2640									34777
6	2	8	5270	40	250	600				3440	940					300				34777
7	7	8	2590			280				1810	500					100				-4-77
8	4	8	920	70	20	150		50		540	90						100			-4---
9	8	8	2600	40	660	130				1600	170						100			24--7

PHS 2049-B
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE KANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN ARK. RIVER, KANS-COLO LINE TO TULSA

STATION LOCATION ARKANSAS RIVER AT COOLIDGE, KANSAS

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
3	24	8	2480			40		20		70	2350									--77-
4	7	8	2330	10	10	10		120		30	2150		10	20						--77-
5	5	8	8140		20			150	130	230	7610			200						-5773
6	2	8	3240			50				210	2980									--77-
7	1	8	7850		50	40		190		370	7200		400			100				-1773
8	4	8	6110		90	110		230		290	5390	200	200	100					10	-4773

PHS 3049-9
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE KANSAS
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER AT KANSAS CITY, KANSAS

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
11	11	7	1860			670				520	670									547--
12	2	7	1570			130				730	710				60					-477-
1	6	8	16130			80				15790	260	100								-4---
2	3	8	7690			70				6870	750					100				34---
3	10	8	820			20				190	610			100						3477-
3	31	8	4740			70		70		2380	2220									34776
5	5	8	2410	40	70	70	70	40		280	1840									-477-
6	2	8	6060			800				1870	3390									34773
7	7	8	1320							750	570			200						-4-7-
8	4	8	1680		40	70				970	600									-477-
9	8	8	2960			210		310		1230	1230		1500			500				8447-

PHS-2060-9
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE: LOUISIANA
MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN: LOWER RED RIVER BELOW DENISON
STATION LOCATION: RED RIVER AT ALEXANDRIA, LOUISIANA

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
11	18	7	70		20					20	30									-----
12	2	7	60			10				20	30					30				-----
12	30	7	170		10	20		10			130									-----
3	10	8	700							530	170			100						-4---
3	31	8	290			70				90	130									-----
5	5	8	20	10							10									-----
6	9	8	1130		20	250		20	20	660	160		900	1600		100				-4--7
6	30	8	1180	40	40	110		20		500	470		200							-4-7-
8	5	8	1830	190	600	160				410	470		200							-6-73
9	8	8	1100		130	150		150	70	310	290		100	200						-4---

PHS-2049-B
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE LOUISIANA
MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN LOWER MISSISSIPPI-NATCHEZ TO GULF
STATION LOCATION MISSISSIPPI RIVER AT
NEW ORLEANS, LOUISIANA

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
5	5	8	1530		40	20				1000	470									-4-77
6	12	8	950			80				660	220									-4---
7	7	8	450			100				160	190									-----
7	29	8	200							130	70									-----
8	14	8	540							250	290									-4---

PHS-2849-9
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE MARYLAND
MAJOR BASIN NORTH ATLANTIC
SUB BASIN POTOMAC RIVER
STATION LOCATION POTOMAC RIVER AT GREAT FALLS, MARYLAND

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
11	11	7	130			30				40	60									-----
12	9	7	790			70				40	680									--77-
1	6	8	140			10				10	120			10				10		-----
3	3	8	1140							50	1090									--74-
3	31	8	1360							170	1190									--74-
5	5	8	2450	50	20	20				50	2310		100							--773
6	2	8	8570	170		960		190	20	5880	1350		200							5497-
7	7	8	1500	20	20	620		70		580	190									54---
8	4	8	1460	40	70	170		90		700	390			100						-4---
9	8	8	6380	70		1020		410	70	4680	130		300							-493-

PHS-2040-B
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE MARYLAND
MAJOR BASIN NORTH ATLANTIC
SUB BASIN POTOMAC RIVER
STATION LOCATION POTOMAC RIVER AT WILLIAMSPORT, MARYLAND

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
11	18	7	6500			400				290	5810			200						--77-
12	2	7	310							10	300									--7--
1	6	8	80			10				10	60									-----
2	3	8	300		10			10		30	250					100				-----
3	10	8	220			10		10		10	190									-----
3	31	8	1130		20	20			20	70	1000									--77-
5	8	8	1110			20		20		70	1000									-5773
6	2	8	1780	20	10	100		30		630	990									-4-7-
6	30	8	3360	230		920		370		1350	510									54933
8	4	8	1490			130			40	110	1210		200							--77-
9	8	8	670		20	40		110		210	290			100						-----

PHS-1048-S
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE MASSACHUSETTS
MAJOR BASIN NORTHEAST
SUB BASIN MERRIMAC RIVER
STATION LOCATION MERRIMAC RIVER ABOVE LOWELL, MASSACHUSETTS

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
1	16	8	180			50				50	80									-----
2	27	8	410		50				20	120	220					10				-----
3	27	8	7340	90	720	190		20	90	980	5250		600			100			100	-4783
4	24	8	420		20	10	10	10	10	40	320		20							-----
5	6	8	2050		250	110		20	50	490	1130									34774
6	11	8	1510	100		290	40	290	90	230	470	20	40	20						34-3-
7	3	8	10950	1310	490	2270	190	1230	600	1230	3430		100							31373
8	28	8	5230	270	230	1430		1270	660	530	840		600							--731

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11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE MICHIGAN
MAJOR BASIN WESTERN GREAT LAKES
SUB BASIN ST. CLAIR-DETROIT RIVERS
STATION LOCATION DETROIT RIVER AT DETROIT, MICHIGAN

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS		FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (Estimation for Interpretation)
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE									
12	5	7	590	20		10				60	500									--77-
1	2	8	650							110	540									3----
2	6	8	1470	20	170	30		10	10	220	1010		300							34-8-
3	6	8	950		10	10			10	160	760			10	10	10				3---
4	3	8	530	10	10	30	10		80	70	320		10	10		10				-----
5	1	8	1490			50				150	1290									3--7-
6	3	8	1290			160			70	280	780									-4-7-
7	1	8	630		20	160			20	210	220									-4---
8	6	8	360			60	20			110	170		100							-----
9	2	8	390	70	50	100			40	50	80									-----

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PHS-2848-B
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE MINNESOTA
MAJOR BASIN WESTERN GREAT LAKES
SUB BASIN LAKE SUPERIOR
STATION LOCATION LAKE SUPERIOR AT DULUTH, MINNESOTA

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALG.'E

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA									
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS											
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Identification for Interpretation)
11	11	7	250		40			20		50	140									-----
12	16	7	60							20	40									-----
1	6	8	350			100				100	150									-----
2	2	8	610			30			10	430	140		30	10						-4---
3	3	8	160	10	10	10				80	50		100							-----
4	7	8	320			30			30	140	120					10				-----
5	13	8	470			60				190	220			10	10					-----
6	2	8	300		10	50			10	120	110					10				-----
7	7	8	540		20	160				110	250									---7-
8	4	8	550		50	20		20	20	190	250		100							-----

PHS-2945-B
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE MINNESOTA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN UPPER PORTION UPPER MISSISSIPPI

STATION LOCATION MISSISSIPPI RIVER LOCK DAM #3 BELOW MINNEAPOLIS, MINNESOTA

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Reproduction for Interpretation)
																				54---
11	11	7	1910	50	60	740				540	520									54---
12	10	7	10130		60	340			40	9380	310		70	10	10	20				54---
1	7	8	5610		40	600			80	4740	150		190	10	10	100				-4---
2	4	8	4940		130	40			20	4700	50									-4-7-
3	11	8	4360		40	50			40	3560	670									-4775
4	8	8	34980		100	350		40	280	32080	2130									-4-78
5	13	8	23890	190	380	5060				14480	3780		900	600		300				54777
6	10	8	9980	40	70	1560				6780	1530		200			300				54777
7	8	8	11400	40	350	1100		40		7150	2720			100	200	700	200			24-77
8	12	8	19820	760	1880	1680		740	190	13060	1510		600	100			100			54927
9	9	8	20990	350	290	3160	70	190	70	15700	1160		200			400	100			

FWQ-2645-B
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE MINNESOTA
MAJOR BASIN UPPER MISSISSIPPI RIVER
SUB BASIN UPPER PORTION UPPER MISSISSIPPI
STATION LOCATION MISSISSIPPI RIVER LOCK DAM #3 BELOW MINNEAPOLIS, MINNESOTA

DATE OF SAMPLE			ALGAL (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS		FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Instructions for Interpretation)
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE									
11	11	7	1910	50	60	740				540	520					20				54---
12	10	7	10130		60	340			40	9380	310		70	10	10	100				54---
1	7	8	5610		40	600			80	4740	150		190	10	10					54---
2	4	8	4940		130	40			20	4700	50									-4---
3	11	8	4360		40	50			40	3560	670									-4-7-
4	8	8	34980		100	350		40	280	32980	2130									-4775
5	13	8	23890	190	380	5060				14480	3780		900	600		300				-4-78
6	10	8	9980	40	70	1560		40		6780	1530		200			300				54777
7	8	8	11400	40	350	1100		740	190	7150	2720			100	200	700	200			54777
8	12	8	19820	760	1880	1680	70	190	70	13060	1510		600	100			100			24-77
9	9	8	20990	350	290	3160				15700	1160		200			400	100			54927

PHS-2045-S
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE MISSISSIPPI

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-YAZOO RIVERS

STATION LOCATION MISSISSIPPI RIVER AT VICKSBURG, MISSISSIPPI (SEE NOTE)

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

NOTE: Results may be influenced by discharge from Yazoo River.

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)

12	9	7	3120			400				2120	600									-4--7
12	16	7	600			80				390	130					100				-47-7
1	13	8	1230			70				520	640									-4--7
1	27	8	1030			100				800	130									-47--
2	3	8	1210			20				980	210		100							-4-77
3	10	8	5110			80				4390	640									-477-
3	31	8	2310			40				1780	490									-4--7
5	5	8	1250		20	50				880	300			100			100			-4-7-
7	8	8	720		40	100				250	330									-----
7	21	8	230							160	70									-47--
8	4	8	890			100				540	250									-4---
9	8	8	700			40		20		470	170			100						

PHS-2648-5
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE MISSOURI
MAJOR BASIN UPPER MISSISSIPPI RIVER
SUB BASIN MISSISSIPPI-CAPE GIRARDEAU AREA
STATION LOCATION MISSISSIPPI RIVER AT CAPE GIRARDEAU, MISSOURI

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
1	6	8	4230			110				3330	790									-477-
2	3	8	25850			100				25180	570									34-7-
3	3	8	860		100	40				280	440									-4-7-
3	31	8	17030			630		40		15390	970							100		5477-
5	5	8	5690			910	80	20		3160	1520									34-75
6	2	8	1890			160				820	910									-477-
7	7	8	1970		40	130	40			1190	570									34-7-
8	4	8	1560		70	100		40		410	940									-477-
9	2	8	1180		70	130		40		690	250									-4--7

PHS-2645-8
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
ST. JOSEPH, MISSOURI

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
1	7	8	19170			40				19070	60					10				-4---
3	31	8	3980			80				2480	1420									-4776
6	3	8	13160		70	1660				5310	6120									34775
6	30	8	8840			1310		40		2530	4960		100				100			34-77
8	4	8	1960			160		40		970	790									-477-
9	3	8	6140	110	90	370		70	130	4470	900		100							-4977

PHS-2048-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER M36 AT ST LOUIS, MISSOURI

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
11	25	7	750			70		10		220	460		100							-477-
12	2	7	830			140				240	440									-477-
1	6	8	6710			20			20	6140	550									-4-7-
2	3	8	7300			80				6460	740									34-7-
3	17	8	830							430	400									-4---
3	31	8	2100			80				1670	350									-4-7-
5	12	8	950			70				190	690									-477-
6	9	8	4820			630				2470	1720									3417-
7	14	8	380							220	160									-4---
8	11	8	660							220	440									-47--
9	8	8	3330			190		110		2560	470									-4977

PHS-7040-B
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER M642 AT OMAHA, NEBRASKA

DATE OF SAMPLE			ALGAE (Number per mL)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
11	11	7	940		50	120				380	390									-4---
12	2	7	1300			80				1030	190									-4---
1	6	8	16800			20				16620	160									-4---
2	3	8	7060			110			20	5650	1280		200	400						34---
3	17	8	4730			80				4470	180									-4---
4	14	8	2070			50				720	1300									3477-
5	12	8	10230		570	780		70		6650	2160			200						34-74
6	9	8	1330			70				320	940									34-7-
7	7	8	5350			660				3720	970									34-75
8	4	8	6510		250	570				4970	720		100							-4-77
9	2	8	2480	50		150		150	70	1490	570		100				100			-4973

PHS-2640-B
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE NEVADA
MAJOR BASIN COLORADO RIVER
SUB BASIN LOWER COLORADO RIVER
STATION LOCATION COLORADO RIVER NEAR BOULDER CITY, NEVADA

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
7	22	8	110		10	30		20		20	30		20							-----
8	19	8	110	10	10	20		10	10	20	30									-----
9	16	8	510		20	40		110		190	150									-4---

FHS-2848-B
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE NEW YORK
MAJOR BASIN NORTHEAST
SUB BASIN LAKE ERIE-NIAGARA
STATION LOCATION LAKE ERIE AT BUFFALO, NEW YORK

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
12	10	7	260			70				130	60									-----
1	6	8	900			190				430	280			10	20					-4--6
2	4	8	280	20		20		10		170	60									-----
3	10	8	140			20				70	50									-----
4	1	8	190			80			10	70	30					10				-----
5	5	8	1690			160		10		1490	30									-4---
6	10	8	140	10	10	40	10	10	10	20	30		30	40		140	40	10		-----
7	8	8	230	40		80			20	20	70									-----
8	6	8	560	50	70	160	20		50	80	130					200				-----

FWQ-2045-5
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE NEW YORK

MAJOR BASIN NORTHEAST

SUB BASIN LOWER HUDSON RIVER

STATION LOCATION HUDSON RIVER BELOW POUGHKEEPSIE, NEW YORK

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Interpretation for Interpretation)
7	7	8	3730	40	130	390		90	50	1700	1330		100	200						-4777
8	4	8	1720	110	50	190		70	20	540	740		200			100				-4---
9	2	8	1730	40	90	410		110	70	820	190	100	100							-4--7

PHS-2049-B
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE NORTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN MISSOURI-SOURIS RIVERS
STATION LOCATION MISSOURI RIVER M1377.4 AT BISMARCK, NORTH DAKOTA

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Interpretation for Interpretation)
11	11	7	30							10	20				10				10	-----
12	2	7	20							10	10					10				-----
1	7	8	40			10				10	20									-----
1	27	8	30			10				10	10									54---
3	4	8	640			410				210	20									--77-
4	1	8	900	20		20					860									-----
5	5	8	190							80	110									--67-
6	3	8	1110			20			610	40	440					100				---7-
7	8	8	700			40				110	550									---7-
8	5	8	840		70	20		90		130	530									---7-
9	2	8	440		20					90	330									

PHS-2048-B
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE NORTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN MISSOURI-SOURIS RIVERS
STATION LOCATION MISSOURI RIVER AT WILLISTON, NORTH DAKOTA

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
11	11	7	460		60		20				380									-----
12	3	7	500			30				10	460									---7-
1	6	8	780			60				670	50				100					-4---
2	4	8	820							320	500									-4-7-
3	3	8	1120		40					640	440									-477-
4	7	8	6030			50				5620	360									-4-7-
5	5	8	4820			130				820	3870									34773
6	2	8	3950		40					320	3590									34773
7	9	8	950			40				190	720									-477-
8	6	8	800			40				40	720					100				--77-
9	3	8	1360		20	130				290	920									-477-

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE OHIO
MAJOR BASIN OHIO RIVER
SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION OHIO RIVER M510 AT CINCINNATI, OHIO

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
11	11	7	6020	340	30	1340				2700	1610									54-77
12	2	7	610			10				300	300									----7
1	2	8	1670			100				640	930									-4777
2	5	8	1130		90	90				230	720									-47--
3	5	8	1110							230	880									-47--
4	2	8	770			50				290	430		100							-4---
5	5	8	1170		50		70			130	920									---7-
6	4	8	1760	20	90	130	20			1190	310		100							-4-77
7	2	8	10970	190		2190	150	490	170	7040	740		600	200			100			54927
8	6	8	1470		50	70		20	40	470	820		300							-4-7-
9	3	8	3430	60	50	650		620	210	1450	390		200	100						-4937

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE OHIO
MAJOR BASIN OHIO RIVER
SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION OHIO RIVER AT
EAST LIVERPOOL, OHIO

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
11	18	7	740		50	250				130	310					30				--7--
12	2	7	530	10	20	80				390	30					30				-4---
12	30	7	520			20				60	440									--77-
1	28	8	1060		50	110				460	440									-4-7-
3	5	8	320			10				30	280									-----
3	31	8	1260		320	20				210	710									-47-4
4	29	8	2030		70	50		20	20	270	1600		100							-477-
5	29	8	24940	70	20	290	70	23930		110	390									-8-3-
6	30	8	760			50		190		230	310		100	200				100		---3-
8	4	8	760	50				90	20	110	490	100	100							---7-
9	3	8	1480	90	50	370		270	20	310	370		200							---7-

PHS-2048-S
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE OKLAHOMA
MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN ARK. RIVER, KANS-COLO LINE TO TULSA
STATION LOCATION ARKANSAS RIVER NEAR
PONCA CITY, OKLAHOMA

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS		FLAGELLATES (Unpigmented)								
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE		CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for interpretation)
4	7	8	880					50		150	680									--7--
5	5	8	3140		50	130		130	50	390	2390									-4773
6	2	8	8220	150		880	50	230	20	5270	1620		300	100						-4973
7	7	8	850		40	70		70		150	530		200	100						---7-
8	18	8	7080	210	430	840		370		3450	1780	200	400	200						24-73
9	8	8	5080	20	370	490		170		2310	1720		200	300						-4773

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE OREGON
MAJOR BASIN PACIFIC NORTHWEST
SUB BASIN COLUMBIA RIVER BELOW YAKIMA RIVER
STATION LOCATION COLUMBIA RIVER AT BONNEVILLE, OREGON

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
MONTH	DAY	YEAR	TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS		FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
				COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	BROWN	CENTRIC	PENNATE									
11	18	7	610		10	100	20			210	270									-+---
12	23	7	2110			130			20	1220	740									-477-
1	27	8	2360		20	20				1610	710		100							347--
3	3	8	1900	20		20				900	960									-47--
3	31	8	5410	20		90		20		4210	1070		200	100		100				349-3
5	5	8	4570			170		20		1620	2760	100								34973
6	2	8	710			20				110	580									3--7--
7	14	8	7870	20	110	410	20	310		4450	2550		300							34-77
8	11	8	2310	40	210	290		170		580	1020		300	100			100			24-76
9	22	8	3400	50	70	450		250	40	1290	1250		100	100						-4776

FHS-2649-S
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE OREGON
MAJOR BASIN PACIFIC NORTHWEST
SUB BASIN COLUMBIA RIVER BELOW YAKIMA RIVER
STATION LOCATION COLUMBIA RIVER M552 AT CLATSKANIE, OREGON

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
4	4	8	11980		50	190			20	9920	1800									34943
5	13	8	5290	50		370	20	70		2350	2430		200	100						34973
6	16	8	3210	20		290		130	70	900	1800		200							34973
8	1	8	3300	50	60	350		90	90	840	1820		100	600						-4-76
9	9	8	2150	70	20	290		150		1130	490		300							-4-77

PHS-2645-B
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE PENNSYLVANIA
MAJOR BASIN NORTH ATLANTIC
SUB BASIN DELAWARE-LEHIGH RIVERS
STATION LOCATION DELAWARE RIVER AT EASTON, PENNSYLVANIA

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Interpretation for Interpretation)
4	15	8	420		10	10	10	10	10	30	340		100	300						-----
5	2	8	660	10	20	20	10	20	10	40	530	10	10	20		10				-----
6	20	8	4720	1020		1800		270	20	390	1190	100	100	300						58-22
7	11	8	3680	190	50	1210	20	510	50	250	1600		100							-8733

PHS-2848-B
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE PENNSYLVANIA
MAJOR BASIN NORTH ATLANTIC
SUB BASIN DELAWARE-SCHUYLKILL RIVERS
STATION LOCATION DELAWARE RIVER M90 AT PHILADELPHIA, PENNSYLVANIA

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS		FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	BROWN	CENTRIC	PENNATE									
11	11	7	1100	20		230				540	310					30				-4---
12	2	7	490			90				120	280									--7--
1	6	8	1520			70				290	1160									-477-
2	3	8	720							180	540									-47--
3	10	8	1610		20	90				210	1290		100	100						..4743
3	31	8	1110			20				100	990									--77-
5	19	8	560	10	10	60		20	10	50	400		10							-----
6	9	8	1200			210	20	20		370	580		100			200				-4-7-
6	30	8	2410	20	90	640	20	170	110	580	780		100	100						-8933
8	4	8	2420	170	20	980		250	90	640	270		200			100				-4935
9	2	8	1630	70	50	310		90		720	390		200	100						-4---

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE SOUTH CAROLINA
MAJOR BASIN SOUTHEAST
SUB BASIN SAVANNAH RIVER
STATION LOCATION SAVANNAH RIVER AT NORTH AUGUSTA, SOUTH CAROLINA

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
4	14	8	860			130			150	150	430									--7--
5	19	8	130			10	10	10		70	30			10						-----
6	16	3	340		10	10	10	10	10	220	70	20	10	10						----7
8	4	8	140			10	10	10	10	40	60	20	20				10			-----
9	2	8	130	10	10	10		10	10	30	50		10	20						-----

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE SOUTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER M841 AT YANKTON, SOUTH DAKOTA

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
11	18	7	540		90	340				20	90									5----
12	2	7	770			360				360	50				50					54---
12	30	7	12410			70				12060	280		10	10	10	10			10	34---
2	3	8	2870			160				1890	820								100	-4---
3	10	8	670							530	140									-4---
4	7	8	3020			190				2140	690		20							34-7-
5	5	8	1420			70				960	390			100						-4-7-
6	2	8	2080	20		490		20		940	610									34-7-
7	7	8	1470			500				610	360		100	200	200					-4-75
8	4	8	800	20	20	20		190	90	350	110		100							-4-3-
9	2	8	1380			290		390	20	390	290									-4-3-

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE TENNESSEE

MAJOR BASIN TENNESSEE RIVER

SUB BASIN TENNESSEE MAIN STEM & MINOR TRIB.

STATION LOCATION TENNESSEE RIVER M465.3 TVA AT CHATTANOOGA, TENNESSEE (SEE NOTE)

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

NOTE: Results may be influenced by discharge from South Chickamauga Creek.

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
3	12	8	4400			90				4080	230									349-7
4	15	8	930			100		20	20	410	380									-47--
5	12	8	180	10	10	10		10		60	80									-----
6	17	8	650	10	10	40	30	100	30	270	160	10	10	10		10				-----
7	15	8	1030			40		50	20	440	480					100				---77
8	19	8	920	50	20	170		20		490	170		200	100						-4--7
9	15	8	1390	40	50	390		210	20	490	190		100							-4-35

PHS-2945-B
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE TEXAS
MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN LOWER RED RIVER BELOW DENISON
STATION LOCATION RED RIVER AT DENISON, TEXAS

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS		FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE									----- 5--7-
8	4	8	250		20			90		70	70									
9	2	8	890	100	40	330		40		100	280									

PHS-2646-D
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE TEXAS
MAJOR BASIN WESTERN GULF
SUB BASIN RIO GRANDE-UPPER-ABOVE PECOS
STATION LOCATION RIO GRANDE RIVER AT EL PASO, TEXAS

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS		FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Interpretation for Interpretation)
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE									
3	31	8	940		20	50				230	640		200							-47--
5	5	8	930		110			50	20	150	600		200	100						--7--
6	2	8	1430		20	50		20		210	1130		400	100						-57--
7	7	8	2590	20	110	620		230	130	560	920		100	200						54-75
8	4	8	7140	130	110	1900		270	620	2760	1350			100						-417-
9	2	8	4420	20		820		150	510	1820	1100		600	100						-4173

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PHS-2040-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE TEXAS
MAJOR BASIN WESTERN GULF
SUB BASIN RIO GRANDE-LOWER-BELOW PECOS
STATION LOCATION RIO GRANDE RIVER AT LAREDO, TEXAS

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS		FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE									
12	2	7	1760	10		420				30	1300				860					---79
1	7	8	930							40	890									---7-
2	3	8	920	10		30			10	180	690									-47--
3	4	8	2560		20	20				90	2430									--773
4	1	8	210			10				30	170		10							-----
5	5	8	480	10	10	30		20	10	80	320			20						-----
6	3	8	1020	50	20	70			110	90	680									--77-
7	8	8	1350		20	130		190	20	150	840		300	200				100		---7-
8	5	8	9140	170	5860	800		230	110	290	1680	200	400					100		2-774
9	2	8	590			20		70		150	350		100							---7-

PHS-2643-S
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE WASHINGTON
MAJOR BASIN PACIFIC NORTHWEST
SUB BASIN MIDDLE & LOWER SNAKE RIVER
STATION LOCATION COLUMBIA RIVER AT PASCO, WASHINGTON

PLANKTON POPULATION

NUMBER P R 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
11	11	7	420			10				130	280									---7-
12	2	7	540			10				190	340									--7-7
1	5	8	430			20				90	320			10	10					---7-
2	3	8	670		10	10			10	130	510									--7--
3	10	8	970	10	10	20	10			430	490			10						34---
4	7	8	1310							410	900									-477-
5	8	8	4220			70				510	3640	100		200						34776
6	2	8	2220			20				150	2070			100						3--73
7	16	8	1600		20	20		20	20	290	1230									---76
8	4	8	2300	20		310				270	1700									--576
9	2	8	1340			80		70		310	880									-----
9	9	8	1660	20		40		20	20	450	1110		100							-4777

PHS-2845-5
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE WASHINGTON
MAJOR BASIN PACIFIC NORTHWEST
SUB BASIN MIDDLE AND LOWER SNAKE RIVER
STATION LOCATION SNAKE RIVER AT
WAWAWAI, WASHINGTON

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
8	4	8	7800	130	5270	230				490	1680		100				100			-277-
9	8	8	2030	50	250	250		170	20	310	980		200							2477-

PHS-2048-S
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE WEST VIRGINIA
MAJOR BASIN OHIO RIVER
SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB.
STATION LOCATION OHIO RIVER AT
HUNTINGTON, WEST VIRGINIA

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
																				-4-7-
11	11	7	2880	70	70	920				1370	450									34777
12	9	7	3740			70				2040	1630		50		50			50		-4-7-
1	7	8	720							360	360									-47--
2	10	8	1270		20		70			540	640									--77-
3	3	8	1150							270	880									--78-
4	8	8	1050		20			20		90	920									--77-
5	5	8	1630		70	70	50			190	1250									54-74
6	2	8	6220	310	490	1530	50	330	50	2250	1210		100	100						-4777
7	14	8	2660	20	130	450	20	70	90	980	900		100							-4-7-
8	4	8	920		20	20		20	50	190	620	200	100							-4977
9	2	8	2150		50	450		90		1090	470		100							

PHS-2645-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE ARIZONA
MAJOR BASIN COLORADO RIVER
SUB BASIN LOWER COLORADO RIVER
STATION LOCATION COLORADO RIVER AT YUMA, ARIZONA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	4	7	11	18	3310	246	33	213	1	6	15	3	2	9	1	5	1	1	4
12	16	7	1	6	3460	259	54	205	5	6	21	3	2	13	3	7	2	1	12
2	10	8	3	10	2920	323	72	251	1	12	30	3	2	22	3	9	6	2	12
3	31	8	4	10	5523	121	32	89	1	7	11	1	1	9	0	4	2	1	6
6	2	8	6	19	2780	321	105	216	1	21	30	2	2	23	3	11	6	3	33
8	6	8	8	18	4850	162	47	115	0	13	16	0	1	13	2	4	2	1	11
9	2	8	9	15	2100	340	129	211	3	31	39	3	4	31	1	12	9	4	31

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE ARKANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-CAIRO TO HELENA

STATION LOCATION MISSISSIPPI RIVER AT WEST MEMPHIS, ARKANSAS

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEG'NNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
2	6	8	2	27	2853	159	44	115	1	6	28	10	3	12	3	3	2	1	3
4	1	8	4	18	5740	165	63	102	2	13	19	1	3	13	2	5	4	1	19
5	8	8	5	19	4650	137	38	99	1	6	17	2	2	11	2	5	2	1	6
6	2	8	6	13	5910	107	41	66	1	9	19	2	4	10	3	6	2	1	3
6	30	8	7	7	6810	84	31	53	1	6	10	1	1	7	1	4	2	0	8
9	9	8	9	15	3500	118	41	77	1	9	12	2	2	7	1	5	3	1	10

FWQ-2649-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE CALIFORNIA
MAJOR BASIN COLORADO RIVER
SUB BASIN LOWER COLORADO RIVER
STATION LOCATION COLORADO RIVER ABOVE PARKER DAM, ARIZONA-CALIFORNIA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
1	1	8	1	8	4160	244	62	182	4	11	18	4	1	11	2	5	3	1	20
1	22	8	1	28	4370	159	37	122	2	10	9	2	*	7	*	3	2	1	10
2	18	8	2	26	3280	297	78	219	5	22	22	2	1	17	2	5	6	2	16
3	19	8	3	26	4100	209	63	146	1	17	22	3	2	15	2	7	4	2	10
4	14	8	4	24	3310	269	55	214	0	15	28	3	2	12	11	7	4	1	0
5	8	8	5	17	4190	205	52	153	1	12	17	1	1	13	2	1	3	1	17
6	10	8	6	18	4210	212	53	159	3	14	15	1	1	12	1	5	4	2	10
7	9	8	7	19	5080	113	41	72	1	9	10	0	1	8	1	4	4	1	12
8	6	8	8	18	4793	194	73	121	1	20	20	1	2	16	1	6	6	1	19
9	3	8	9	15	4320	206	74	132	4	16	13	1	2	10	0	5	5	1	30

PHS-2640-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE COLORADO

MAJOR BASIN COLORADO RIVER

SUB BASIN UPPER COLORADO RIVER

STATION LOCATION COLORADO RIVER AT LOMA, COLORADO

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS

NO RESULTS AVAILABLE

PHS-2648-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE GEORGIA

MAJOR BASIN SOUTHEAST

SUB BASIN SAVANNAH RIVER

STATION LOCATION SAVANNAH RIVER AT
PORT WENTWORTH, GEORGIA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
3	11	8	3	21	3600	434	194	240	20	32	49	8	4	21	16	12	10	1	70
4	7	8	4	21	4730	437	341	96	-	-	-	-	-	-	-	-	-	-	-
5	12	8	5	26	4180	344	-	-	-	-	-	-	-	-	-	-	-	-	-
6	9	8	6	18	4180	138	106	32	-	-	-	-	-	-	-	-	-	-	-
7	1	8	7	10	3610	256	115	141	18	20	16	2	3	9	2	7	9	3	42

FWQ-2045-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE IDAHO
MAJOR BASIN PACIFIC NORTHWEST
SUB BASIN CENTRAL SNAKE RIVER
STATION LOCATION SNAKE RIVER AT WEISER, IDAHO

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
12	9	7	12	20	1586	360	66	294	0	10	44	26	5	11	2	1	1	1	9
1	13	8	1	23	3059	137	37	100	3	8	13	3	2	7	1	4	1	1	7
2	3	8	2	12	1660	212	40	172	0	6	24	6	2	13	3	6	2	2	*
3	3	8	3	19	2730	180	43	137	1	12	13	3	1	8	1	3	2	1	9
4	7	8	4	15	2318	152	51	101	1	11	15	3	1	10	1	5	3	1	15
6	15	8	7	8	3017	171	52	119	1	14	17	2	2	10	3	6	4	1	9

PHS-2645-6
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: ILLINOIS
MAJOR BASIN: OHIO RIVER
SUB BASIN: OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION: OHIO RIVER AT CAIRO, ILLINOIS

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
4	7	8	4	26	3217	245	81	164	1	14	41	16	5	15	5	8	4	1	12
5	5	8	5	27	3892	171	80	91	2	13	34	12	5	12	5	7	4	1	19
6	17	8	6	23	3143	257	94	163	6	17	32	3	3	18	8	9	8	2	20
6	30	8	7	20	3727	178	68	110	3	12	18	2	2	9	5	6	5	1	23
8	5	8	8	18	3757	194	88	106	4	20	19	1	2	15	1	9	9	1	26

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PHS-5542-6
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE ILLINOIS

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI RIVER-ST. LOUIS AREA

STATION LOCATION MISSISSIPPI RIVER AT EAST ST. LOUIS, ILLINOIS

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
12	24	7	1	6	3832	374	91	283	1	15	41	6	4	29	2	10	-	2	22
1	6	8	1	16	2980	316	111	205	3	29	42	8	4	24	6	12	3	2	20
3	26	8	4	14	5701	273	107	166	6	20	27	2	1	21	3	9	7	2	36
5	5	8	5	19	4580	168	79	89	1	15	21	1	2	17	1	9	7	1	25
6	2	8	6	16	5037	293	84	209	1	15	27	1	2	20	4	10	8	2	21
7	7	8	7	21	5271	227	93	134	4	20	18	1	1	14	2	7	8	1	35
8	4	8	8	15	4031	226	85	141	3	19	18	1	2	15	0	9	10	1	25
9	2	8	9	15	4110	258	100	158	3	28	24	1	2	21	0	11	12	3	19

FHS-5545-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE INDIANA

MAJOR BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.

SUB BASIN OHIO RIVER

STATION LOCATION OHIO RIVER AT
EVANSVILLE, INDIANA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
1	31	8	2	7	3098	134	57	77	1	4	43	22	7	11	3	2	1	1	5
2	26	8	3	6	3420	300	95	205	4	11	41	21	6	10	4	7	4	2	26
4	7	8	4	21	2486	263	91	172	1	12	42	10	5	17	10	6	3	1	26
5	5	8	5	26	4170	290	123	167	2	25	37	4	6	22	5	12	9	1	37

PHS-2548-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI-DES MOINES-SKUNK RIVERS

STATION LOCATION MISSISSIPPI RIVER AT BURLINGTON, IOWA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	28	7	11	10	5000	200	34	166	*	1	19	4	3	10	2	3	6	4	1
12	2	7	12	10	5000	161	27	134	*	8	9	1	1	6	1	2	1	1	6
1	6	8	1	13	5020	163	44	119	3	11	14	2	1	10	1	4	2	1	9
2	3	8	2	10	4156	134	23	111	1	6	6	1	1	4	*	1	1	1	7
3	3	8	3	10	5310	256	77	179	1	15	29	1	2	23	3	11	7	1	13
4	7	8	4	18	4520	238	80	158	1	15	36	3	2	26	5	10	5	4	9
5	5	8	5	15	3610	238	96	142	2	26	26	2	1	18	5	10	6	2	24
6	2	8	6	9	5000	203	62	141	1	13	15	1	1	11	2	6	4	1	22
7	8	8	7	13	5000	226	68	138	4	20	15	1	2	12	0	7	7	2	33
8	4	8	8	10	5045	192	79	113	5	18	21	1	2	16	2	9	6	2	18
9	1	8	9	11	5000	260	107	153	5	25	21	0	3	16	2	11	10	5	30

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WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE IOWA
MAJOR BASIN UPPER MISSISSIPPI RIVER
SUB BASIN MISSISSIPPI-WAPSIPINICON & TRIB.
STATION LOCATION MISSISSIPPI RIVER AT
DUBUQUE, IOWA (SEE NOTE)

NOTE: Results may be influenced by retention in lock structure. Sampling site being changed.

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
12	2	7	12	10	758	809	123	686	7	34	57	8	15	31	3	14	7	4	*
1	6	8	1	15	2805	241	88	153	28	14	16	4	1	10	1	5	4	1	20
2	3	8	2	13	3750	275	57	218	3	16	15	3	2	10	*	4	2	1	16
4	7	8	4	16	1209	808	329	479	11	70	83	3	3	66	11	35	26	8	96
5	5	8	5	14	2871	260	76	184	1	19	22	1	1	16	4	12	4	2	16
6	2	8	6	11	3862	278	96	182	5	25	21	1	1	16	3	10	10	1	24
7	7	8	7	15	3652	370	154	216	11	59	26	1	2	20	3	9	14	2	33
8	4	8	8	14	7515	158	59	99	2	12	15	0	2	11	2	6	5	1	18
9	2	8	9	11	2250	282	83	199	2	24	20	2	2	16	0	10	7	2	18

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WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE KANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN ARK. RIVER, KANS-COLO LINE TO TULSA

STATION LOCATION ARKANSAS RIVER AT COOLIDGE, KANSAS

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS

NO RESULTS AVAILABLE

PHS-2649-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE KANSAS

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER AT KANSAS CITY, KANSAS

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	4	7	11	20	4473	145	23	122	1	2	9	3	1	4	1	3	2	4	2
12	6	7	12	23	3934	164	19	145	0	3	10	2	1	5	2	1	1	1	3
1	6	8	1	20	5326	159	28	131	1	5	13	3	2	8	*	3	1	1	4
2	3	8	2	24	2720	429	108	321	2	27	33	4	4	21	4	9	7	2	28
3	24	8	3	31	2952	168	39	129	1	10	15	3	1	10	1	3	2	1	7
4	14	8	4	24	2707	231	43	188	0	9	19	2	1	15	1	5	3	1	6
5	12	8	5	20	1995	182	40	142	0	4	21	3	2	14	2	5	2	1	7
6	5	8	6	10	2700	139	38	101	0	8	13	2	1	9	1	3	1	1	12
7	14	8	7	25	2280	166	71	95	1	17	22	3	5	13	1	6	6	2	17
8	4	8	8	15	3097	135	62	73	4	16	14	1	3	9	1	5	6	1	16
8	25	8	9	8	4657	147	41	106	0	11	11	1	1	7	2	5	3	1	10
9	25	8	10	4	5018	79	24	55	0	7	8	1	1	5	1	2	1	0	6

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WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE LOUISIANA

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER RED RIVER BELOW DENISON

STATION LOCATION RED RIVER AT
ALEXANDRIA, LOUISIANA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS

NO RESULTS AVAILABLE

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WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE LOUISIANA

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-NATCHEZ TO GULF

STATION LOCATION MISSISSIPPI RIVER AT
NEW ORLEANS, LOUISIANA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END									NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
4	24	8	5	2	6373	112	41	71	1	9	16	4	1	8	3	4	2	1	8
5	29	8	6	10	5569	170	71	99	2	15	17	1	2	13	1	6	5	1	25
6	26	8	7	6	7410	115	33	82	1	7	10	0	1	7	2	4	3	1	7
7	24	8	7	27	6223	105	32	73	0	8	9	1	1	6	1	3	2	1	9
8	4	8	8	14	9189	106	49	57	4	10	13	0	2	10	1	6	4	1	11
9	19	8	10	8	8240	106	44	62	2	8	11	0	1	8	2	4	4	0	15

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WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MARYLAND

MAJOR BASIN NORTH ATLANTIC

SUB BASIN POTOMAC RIVER

STATION LOCATION POTOMAC RIVER AT GREAT FALLS, MARYLAND

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	14	7	10	28	5876	210	63	147	1	10	32	5	3	21	3	5	4	3	8
12	2	7	12	11	5086	204	51	153	1	11	18	3	2	12	1	4	2	1	14
1	6	8	1	15	5477	226	40	186	1	9	11	2	1	7	1	4	2	1	12
2	3	8	2	12	5266	203	48	155	2	12	13	3	1	9	*	3	2	1	16
3	3	8	3	12	5493	217	66	149	7	16	13	2	1	10	*	4	4	1	23
4	7	8	4	16	5267	152	58	94	2	14	13	1	1	10	1	4	3	1	21
5	5	8	5	16	5445	195	61	134	4	11	12	1	1	8	2	5	4	0	25
6	2	8	6	13	5181	166	50	116	1	10	13	1	1	10	1	6	4	1	15
7	7	8	7	18	5186	198	77	121	4	18	17	1	2	11	3	7	8	1	22
8	4	8	8	13	5280	221	94	127	5	23	22	1	2	16	3	10	8	1	25
9	3	8	9	15	5470	209	98	111	5	21	25	0	3	19	3	9	9	2	27

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WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MARYLAND
MAJOR BASIN NORTH ATLANTIC
SUB BASIN POTOMAC RIVER
STATION LOCATION POTOMAC RIVER AT WILLIAMSPORT, MARYLAND

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
3	18	8	3	27	4650	246	87	159	4	16	29	6	3	16	4	8	4	1	29
5	8	8	5	14	3000	322	118	204	23	24	23	4	2	14	3	8	7	1	32
6	2	8	6	10	5290	179	55	124	1	12	16	1	1	12	2	5	3	1	17
6	30	8	7	8	5120	193	68	125	2	14	18	1	1	14	2	7	6	1	20
8	4	8	8	12	5170	187	81	106	4	18	15	1	1	11	2	8	6	2	28
9	1	8	9	8	4600	214	92	122	3	20	27	0	2	21	4	8	8	3	23

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WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MASSACHUSETTS
MAJOR BASIN NORTHEAST
SUB BASIN MERRIMAC RIVER
STATION LOCATION MERRIMAC RIVER ABOVE LOWELL, MASSACHUSETTS

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
2	20	8	3	11	5107	282	130	152	4	20	35	7	4	21	3	30	9	1	31
3	28	8	4	7	2377	329	198	131	8	36	39	10	4	22	3	28	15	2	70
4	21	8	5	9	538	789	335	454	23	60	121	38	13	62	8	60	23	3	45
6	11	8	6	18	2407	306	131	175	4	33	41	9	5	27	0	13	10	1	29
7	7	8	10	6	5000	211	129	82	1	17	50	10	8	30	2	13	6	3	39

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WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MICHIGAN
MAJOR BASIN WESTERN GREAT LAKES
SUB BASIN ST. CLAIR-DETROIT RIVERS
STATION LOCATION DETROIT RIVER AT
DETROIT, MICHIGAN

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
12	5	7	12	19	4817	132	28	104	*	5	16	7	2	5	2	1	*	*	6
1	6	8	1	16	3428	139	27	112	*	8	9	2	1	6	*	2	1	*	7
2	6	8	2	20	4428	169	28	141	1	9	11	3	1	6	1	2	1	1	3
3	6	8	3	20	4538	177	39	138	1	12	11	2	1	8	*	3	2	1	9
4	3	8	4	16	4852	142	33	109	1	10	9	1	1	6	1	3	2	1	7
5	1	8	5	15	5655	120	27	93	0	8	11	2	1	7	1	3	1	0	4
6	3	8	6	16	7072	115	26	89	0	5	7	1	1	4	1	3	1	0	10
7	1	8	7	15	6345	108	34	74	0	10	9	1	1	6	1	2	2	1	10
8	6	8	8	19	6540	106	23	83	0	7	8	1	1	5	1	2	1	0	5
9	2	8	9	16	6728	108	29	79	0	9	9	1	1	6	1	3	2	1	5

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WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MINNESOTA
MAJOR BASIN WESTERN GREAT LAKES
SUB BASIN LAKE SUPERIOR
STATION LOCATION LAKE SUPERIOR AT DULUTH, MINNESOTA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	21	7	11	7	5149	133	20	113	2	3	3	1	1	1	*	2	4	5	1
12	2	7	12	11	3547	158	18	140	1	5	5	2	1	2	1	3	1	1	3
1	6	8	1	20	4830	126	20	106	1	6	4	*	1	3	*	1	1	*	7
2	2	8	2	17	6030	114	29	85	1	9	5	1	1	3	*	2	1	1	10
3	3	8	3	17	7080	105	18	87	1	5	5	1	1	3	*	2	1	1	3
4	7	8	4	21	4875	162	45	117	1	16	8	2	1	4	1	2	2	1	15
5	6	8	5	19	5212	140	25	115	1	8	4	1	0	3	0	1	1	0	10
6	2	8	6	16	4477	133	26	107	1	11	5	1	1	3	0	2	1	1	5
7	7	8	7	21	4875	132	31	101	2	12	6	1	1	4	0	2	2	0	7
8	4	8	8	18	6037	143	40	103	3	12	6	1	1	4	0	2	3	1	13
9	2	8	9	15	5242	116	30	86	2	10	5	1	1	3	0	3	2	1	7

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WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MINNESOTA
MAJOR BASIN UPPER MISSISSIPPI RIVER
SUB BASIN UPPER PORTION UPPER MISSISSIPPI
STATION LOCATION MISSISSIPPI RIVER LOCK DAM #3 BELOW MINNEAPOLIS, MINNESOTA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
1	6	8	1	13	2816	364	90	274	1	22	36	6	4	26	*	9	4	3	15
2	4	8	2	10	3054	385	112	273	5	23	36	4	3	23	6	8	6	1	33
3	4	8	3	10	3195	440	117	323	2	26	48	5	2	34	7	8	7	2	22
4	1	8	4	8	1259	582	123	459	2	29	41	4	3	24	10	23	7	5	16
5	5	8	5	13	3702	268	74	194	1	19	26	2	2	17	5	6	3	2	17
6	2	8	6	10	3712	249	87	162	2	20	23	3	2	16	2	9	7	1	25
7	1	8	7	8	3382	310	109	201	7	24	33	2	6	23	2	14	13	1	17
8	5	8	8	8	1690	276	97	179	3	23	26	2	3	18	3	16	9	2	18
9	3	8	9	9	3298	374	136	238	4	33	31	1	4	23	3	14	14	3	37

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11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: MISSISSIPPI
MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN: LOWER MISSISSIPPI-YAZOO RIVERS
STATION LOCATION: MISSISSIPPI RIVER AT VICKSBURG, MISSISSIPPI (SEE NOTE)

NOTE: Results may be influenced by discharge from Yazoo River.

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
12	9	7	1	2	4035	253	61	192	-	-	-	-	-	-	-	-	-	-	-
1	13	8	2	11	5479	205	59	146	1	12	14	2	1	10	1	5	4	1	22
2	24	8	3	17	5383	210	41	169	1	8	15	3	1	10	1	4	2	1	10
4	7	8	4	28	6196	114	26	88	1	4	10	2	1	7	0	3	2	1	5
5	19	8	6	16	10145	99	47	52	3	11	8	1	1	6	0	5	6	1	13
7	19	8	8	4	6350	69	27	42	0	6	8	1	1	5	1	3	2	1	7
9	8	8	9	29	7650	48	10	38	0	2	4	1	1	2	0	1	1	1	1

PHS-2045-0
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MISSOURI
MAJOR BASIN UPPER MISSISSIPPI RIVER
SUB BASIN MISSISSIPPI-CAPE GIRARDEAU AREA
STATION LOCATION MISSISSIPPI RIVER AT
CAPE GIRARDEAU, MISSOURI

DATE OF SAMPLE						EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY	GALLONS FILTERED	TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
1	13	8	1	20	4162	240	95	145	1	15	47	7	11	26	3	10	4	3	15
2	3	8	2	17	4012	333	132	201	2	16	62	7	18	31	6	16	7	1	28
3	3	8	3	17	2145	521	157	364	1	27	80	4	16	48	12	17	9	2	1
3	31	8	4	14	1883	416	151	265	2	31	64	3	23	34	4	17	14	2	21
5	5	8	5	19	2340	450	138	312	0	20	70	2	26	37	5	17	7	1	23
6	2	8	6	16	2985	262	93	169	1	11	28	4	4	19	1	13	7	1	32
7	7	8	7	20	2700	281	100	181	2	17	39	2	12	21	4	16	9	2	15
8	4	8	8	18	3000	261	160	101	8	32	48	5	9	30	4	19	18	2	33
9	2	8	9	13	2812	378	181	197	2	31	78	2	37	31	8	20	14	2	34
9	29	8	10	13	2670	335	135	200	3	22	62	1	35	21	5	16	12	3	17

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WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MISSOURI

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI BELOW NIOBRARA RIVER

STATION LOCATION MISSOURI RIVER AT
ST. JOSEPH, MISSOURI

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
1	2	8	1	14	6000	134	30	104	*	7	12	2	1	7	2	6	3	1	1
2	5	8	2	13	5040	204	69	135	2	10	41	21	3	9	6	5	2	1	6
3	4	8	3	9	1485	330	88	242	2	25	25	4	7	14	0	10	8	3	13
3	30	8	4	15	4725	215	85	130	2	26	16	1	1	11	3	6	8	2	25
5	12	8	5	26	5287	108	50	58	1	10	17	5	1	9	2	4	4	1	13
6	11	8	6	17	1620	357	82	275	1	22	16	3	1	11	1	8	7	3	25
7	14	8	7	19	1177	438	228	210	21	52	27	5	3	16	3	14	23	2	89
8	11	8	8	25	3450	134	40	94	1	11	13	1	2	10	0	4	3	1	7
9	9	8	9	21	4755	93	28	65	4	7	6	1	1	4	0	2	2	1	6

PHS-2849-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MISSOURI

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER 436 AT ST LOUIS, MISSOURI

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	14	7	10	29	4129	172	34	138	2	5	20	5	2	11	2	2	4	1	*
11	18	7	12	5	4815	122	15	107	0	2	8	2	1	5	*	1	*	1	3
12	19	7	1	9	5318	176	51	125	1	12	17	2	2	12	1	4	3	1	13
3	17	8	3	31	5301	134	26	108	1	6	9	1	1	7	*	3	1	1	5
4	28	8	5	12	3985	208	68	140	4	14	9	1	1	7	0	4	5	1	31
5	26	8	6	9	6013	96	22	74	0	4	8	1	1	6	0	2	1	0	7
6	23	8	7	7	5077	95	22	73	0	6	7	1	1	5	0	2	1	1	5

PHS-2945-B
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER M642 AT OMAHA, NEBRASKA

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	CHLOROFORM EXTRACTABLES TOTAL	NEUTRALS ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	26	7	11	5	3621	183	45	138	1	17	9	2	1	6	*	5	5	3	5
11	25	7	12	5	3741	154	23	131	2	5	5	*	1	3	1	6	3	*	2
12	25	7	1	5	4932	160	29	131	1	6	5	1	1	3	0	2	1	1	13
1	25	8	2	6	5552	163	36	127	1	9	9	1	*	7	1	2	2	1	12
3	4	8	3	17	4681	192	47	145	1	12	11	1	1	9	*	3	4	1	15
3	31	8	4	14	5076	164	32	132	0	8	12	1	1	9	1	3	2	1	6
4	28	8	5	12	5081	152	34	118	0	10	11	1	1	8	1	3	2	1	7
5	26	8	6	9	5052	150	34	116	0	9	10	1	0	8	0	4	4	1	9
6	23	8	7	7	3098	187	53	134	3	15	12	1	3	8	1	5	7	1	14
7	21	8	8	4	5580	147	74	73	7	16	10	1	1	7	1	5	5	1	28
8	18	8	9	1	4404	171	55	116	2	16	12	1	1	9	0	4	4	1	14
9	15	8	9	29	4714	163	49	114	1	15	13	2	2	9					11

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WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE NEVADA
MAJOR BASIN COLORADO RIVER
SUB BASIN LOWER COLORADO RIVER
STATION LOCATION COLORADO RIVER NEAR BOULDER CITY, NEVADA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
7	18	8	7	30	4997	225	117	108	9	28	18	2	2	13	1	7	16	1	38
8	11	8	8	23	5261	192	71	121	4	14	19	6	2	10	1	6	6	1	21
9	12	8	9	22	4840	175	57	118	3	14	7	1	1	5	0	6	5	1	21

FWQ-2040-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE NEW YORK
MAJOR BASIN NORTHEAST
SUB BASIN LAKE ERIE-NIAGARA
STATION LOCATION LAKE ERIE AT
BUFFALO, NEW YORK

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
12	16	7	12	27	4174	191	32	159	0	6	16	6	2	8	*	2	1	1	6
1	2	8	1	9	2425	211	36	175	1	9	17	5	2	9	1	2	1	1	5
4	1	8	4	9	4749	192	45	147	1	9	19	3	1	14	1	5	3	1	7
4	17	8	4	24	4755	239	93	146	4	22	42	2	2	31	7	13	8	3	1
5	5	8	5	13	4846	164	55	109	2	12	14	1	1	12	0	6	4	1	16
5	20	8	5	28	4388	210	73	137	3	15	19	1	1	15	2	12	5	1	18
6	5	8	6	16	5437	208	65	143	1	14	18	1	2	14	1	11	4	1	16
6	30	8	7	10	4688	220	49	171	3	11	16	2	2	12	0	6	3	1	9
7	29	8	8	5	4717	183	47	136	0	12	19	4	2	11	2	5	3	0	8
8	14	8	8	21	5685	190	-	-	-	-	-	-	-	-	-	-	-	-	-
9	2	8	9	11	4282	240	65	175	1	20	19	2	2	13	2	7	6	1	11
9	24	8	10	1	5071	188	56	132	1	13	11	1	2	8	0	8	4	1	18

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE NEW YORK
MAJOR BASIN NORTHEAST
SUB BASIN LOWER HUDSON RIVER
STATION LOCATION HUDSON RIVER BELOW POUGHKEEPSIE, NEW YORK

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
6	3	8	6	16	936	1290	558	732	22	111	234	5	80	133	16	39	78	11	63
7	7	8	7	10	1194	549	196	353	10	41	41	2	7	29	3	18	24	4	58
8	4	8	8	11	2764	517	245	272	10	54	47	2	5	38	2	32	34	2	66
9	1	8	9	10	2654	625	304	321	9	64	52	2	3	43	4	30	36	3	110

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE NORTH DAKOTA

MAJOR BASIN MISSOURI RIVER

SUB BASIN MISSOURI-SOURIS RIVERS

STATION LOCATION MISSOURI RIVER M1377.4 AT BISMARCK, NORTH DAKOTA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
2	17	8	4	1	3923	162	35	127	1	5	19	5	2	10	2	3	1	1	5
4	14	8	5	13	2925	119	30	89	0	9	12	2	1	9	0	3	1	1	4
5	27	8	6	16	2010	203	57	146	1	17	20	4	2	12	2	5	3	1	10
7	22	8	8	15	2355	306	49	257	1	12	20	3	3	12	2	4	3	1	8
8	28	8	9	16	5647	70	19	51	0	6	5	1	1	3	0	2	2	1	3

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11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE NORTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN MISSOURI-SOURIS RIVERS
STATION LOCATION MISSOURI RIVER AT
WILLISTON, NORTH DAKOTA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	11	7	11	22	2178	229	28	201	3	4	10	3	2	5	*	4	3	*	4
12	13	7	12	18	1757	219	30	189	-	-	-	-	-	-	-	-	-	-	-
1	6	8	1	17	2147	272	164	108	24	35	13	2	4	6	1	14	12	1	65
2	4	8	2	14	2003	303	56	247	2	16	16	4	1	9	2	6	3	1	12
3	3	8	3	14	2257	240	47	193	1	12	17	2	1	12	2	4	2	1	10
4	7	8	4	18	1328	287	112	175	1	27	30	3	2	24	1	10	5	2	37
5	5	8	5	20	1537	278	88	190	2	26	27	3	2	20	2	10	8	2	13
6	11	8	6	20	4687	109	28	81	1	7	8	1	1	6	0	3	2	1	6
7	9	8	7	21	3465	144	41	103	1	11	10	1	1	7	1	3	3	0	13
8	6	8	8	20	4020	133	38	95	1	11	10	1	1	8	0	3	3	1	9
9	3	8	9	23	7290	68	18	50	1	5	5	0	1	4	0	1	1	0	5

PHS-2648-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE OHIO

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER M510 AT
CINCINNATI, OHIO

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
12	21	7	12	30	675	1387	324	1063	15	56	158	44	15	79	20	44	29	15	7
1	15	8	1	30	2048	1085	274	811	6	45	117	18	16	67	16	23	13	3	67
2	12	8	2	27	1890	812	387	425	14	68	255	26	48	103	78	33	19	8	*
3	12	8	3	24	2415	457	207	250	7	45	85	11	12	46	16	18	13	3	36
4	2	8	4	15	3180	317	105	212	1	20	43	8	6	22	7	9	5	1	26
5	14	8	5	31	2348	481	209	272	2	40	77	13	12	46	6	17	8	4	61
7	2	8	7	14	4290	281	161	120	5	29	52	4	4	36	8	21	16	3	35
8	6	8	8	19	2760	347	146	201	1	31	41	5	7	25	4	19	12	1	41
9	3	8	9	11	2025	468	186	282	2	19	61	5	5	46	5	20	13	4	67

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE OHIO
MAJOR BASIN OHIO RIVER
SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION OHIO RIVER AT
EAST LIVERPOOL, OHIO

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	4	7	11	21	12361	156	48	108	1	9	22	6	4	11	1	7	5	*	4
12	3	7	12	30	7400	111	35	76	1	0	19	7	4	7	1	3	1	1	10
1	6	8	1	28	6000	171	72	99	2	6	34	12	5	11	6	6	1	1	22
2	1	8	2	25	7020	104	39	65	1	4	28	11	6	9	2	4	1	1	*
3	5	8	3	31	3030	207	75	132	1	13	25	7	3	13	2	7	5	1	23
4	1	8	4	29	5000	157	74	83	1	9	39	16	7	12	4	9	4	1	11
5	1	8	5	29	5000	145	75	70	2	10	36	14	8	13	1	10	5	1	11
5	29	8	6	23	5000	180	71	109	1	9	33	11	7	12	3	9	5	1	13
7	1	8	7	31	5000	149	81	68	2	13	16	2	2	9	3	5	5	1	39
8	4	8	8	30	5000	289	121	168	6	19	50	14	10	24	2	18	10	1	17
9	8	8	9	30	5000	306	159	147	5	24	56	13	11	31	1	19	14	2	39

FWQ-2040-0
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE OKLAHOMA
MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN ARK. RIVER, KANS-COLO LINE TO TULSA
STATION LOCATION ARKANSAS RIVER NEAR
PONCA CITY, OKLAHOMA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
3	31	8	4	9	4000	223	88	135	2	18	35	6	6	20	3	10	8	1	14
6	24	8	9	15	4500	165	72	93	1	11	35	6	8	18	3	9	4	1	11

FWQ-2645-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE OREGON
MAJOR BASIN PACIFIC NORTHWEST
SUB BASIN COLUMBIA RIVER BELOW YAKIMA RIVER
STATION LOCATION COLUMBIA RIVER AT
BONNEVILLE, OREGON

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	18	7	12	2	9643	71	15	56	1	3	6	1	1	4	*	1	1	1	2
12	23	7	1	6	9577	68	13	55	1	3	4	*	*	3	1	1	1	1	4
1	27	8	2	10	9188	81	19	62	1	5	6	1	1	4	*	2	1	1	3
3	3	8	3	17	7899	88	20	68	1	4	7	1	1	5	*	2	1	1	4
3	31	8	4	14	5916	105	35	70	0	6	15	8	1	5	1	4	2	1	7
5	5	8	5	19	6842	93	25	68	0	5	11	2	1	7	1	4	2	0	3
6	2	8	6	16	7067	98	39	59	3	10	9	1	1	6	1	5	4	0	8
7	14	8	7	28	8927	41	13	28	0	3	3	1	0	2	0	2	1	0	4
8	11	8	8	25	6540	87	42	45	1	12	13	1	2	10	0	5	3	1	7
9	8	8	9	22	7577	56	20	36	3	4	5	1	1	3	0	2	1	0	5

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE OREGON
MAJOR BASIN PACIFIC NORTHWEST
SUB BASIN COLUMBIA RIVER BELOW YAKIMA RIVER
STATION LOCATION COLUMBIA RIVER M552 AT
CLATSKANIE, OREGON

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
4	4	8	5	13	6050	169	38	131	1	6	17	2	2	12	1	4	2	1	7
5	13	8	5	27	2650	152	57	95	0	11	26	11	4	10	1	5	2	1	12
6	16	8	7	3	3910	235	168	67	18	30	59	18	12	24	5	13	13	2	33
8	1	8	8	13	4520	146	54	92	2	14	18	3	3	12	0	7	5	1	7
9	9	8	9	22	1820	305	79	226	1	16	28	6	4	16	2	10	5	2	17

PHS-2048-0
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE PENNSYLVANIA
MAJOR BASIN NORTH ATLANTIC
SUB BASIN DELAWARE-LEHIGH RIVERS
STATION LOCATION DELAWARE RIVER AT EASTON, PENNSYLVANIA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
2	1	8	2	7	5295	84	28	56	2	6	12	6	1	4	1	2	1	1	4
2	28	8	3	11	5030	202	44	158	2	9	9	2	1	6	*	2	2	1	19
3	31	8	4	9	5069	137	51	86	6	11	9	1	1	7	*	4	3	1	17
5	1	8	5	8	5092	124	37	87	1	8	11	2	1	8	0	3	2	1	11
6	2	8	6	10	5512	82	31	51	1	7	7	1	0	6	0	3	2	0	11
7	1	8	7	10	6787	68	26	42	1	6	8	1	1	6	0	3	1	1	6
8	1	8	8	12	7357	62	40	22	1	10	13	1	1	10	1	3	2	1	10
9	5	8	9	16	7669	57	26	31	1	7	8	1	1	6	0	2	2	1	5

PHS-2649-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE PENNSYLVANIA
MAJOR BASIN NORTH ATLANTIC
SUB BASIN DELAWARE-SCHUYLKILL RIVERS
STATION LOCATION DELAWARE RIVER M90 AT PHILADELPHIA, PENNSYLVANIA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	18	7	11	29	1200	329	62	267	1	14	33	10	3	15	5	4	1	1	8
1	29	8	2	4	5600	69	24	45	1	5	8	2	1	4	1	2	1	1	8
3	10	8	3	20	4830	93	34	59	1	7	19	7	3	7	2	3	1	1	2
5	12	8	5	20	4480	176	52	124	1	5	21	5	3	11	2	7	4	1	13

PHS-2648-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE SOUTH CAROLINA
MAJOR BASIN SOUTHEAST
SUB BASIN SAVANNAH RIVER
STATION LOCATION SAVANNAH RIVER AT
NORTH AUGUSTA, SOUTH CAROLINA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
1	27	8	2	10	5003	207	69	138	14	8	26	7	3	15	1	6	2	1	12
2	24	8	3	10	5087	220	81	139	7	15	17	2	1	13	1	7	4	1	30
3	31	8	4	12	5167	199	77	122	8	18	13	1	1	10	1	5	5	1	27
5	12	8	5	22	5674	195	84	111	7	19	15	1	1	11	2	7	7	1	28
6	7	8	6	19	5570	234	130	104	17	23	27	6	3	12	6	7	8	1	47
8	2	8	8	15	5227	215	89	126	1	21	16	0	1	13	2	6	7	2	36
9	25	8	10	6	5751	136	50	86	2	15	10	1	1	8	0	4	4	2	13

PHS-2040-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE SOUTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER R.841 AT YANKTON, SOUTH DAKOTA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	28	7	11	19	4480	184	24	160	0	3	10	2	2	5	1	2	3	3	3
11	18	7	12	9	5030	152	34	118	1	12	12	3	1	5	3	3	2	1	3
12	23	7	1	6	4730	97	20	77	1	5	7	1	1	5	*	2	1	1	3
1	6	8	1	20	4870	150	32	118	1	8	8	1	1	5	1	2	1	1	11
1	20	8	2	3	3930	160	36	124	4	9	6	1	1	4	*	2	2	1	12
2	17	8	3	3	5000	78	26	52	1	7	8	2	1	2	3	2	1	1	6
3	31	8	4	14	5000	137	32	105	5	3	8	1	1	6	0	8	1	1	6
5	5	8	5	12	1800	291	81	210	1	24	13	1	1	10	1	5	5	2	31
5	26	8	6	9	4970	157	38	119	0	8	8	0	0	7	1	4	2	1	15
6	23	8	7	7	3290	215	73	142	1	20	20	1	1	15	3	9	7	1	15
7	21	8	8	4	5010	124	35	89	1	11	11	1	1	9	0	4	2	1	5
8	18	8	9	2	4710	136	47	89	1	13	12	1	1	9	1	5	4	1	11
9	2	8	9	15	3530	171	53	118	1	14	11	1	1	9	0	4	4	1	18
9	29	8	10	13	4990	122	30	92	0	9	6	1	1	4	0	2	2	1	10

PHS-2449-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

NOTE: Results may be influenced by discharge from South Chickamauga Creek.

STATE TENNESSEE

MAJOR BASIN TENNESSEE RIVER

SUB BASIN TENNESSEE MAIN STEM & MINOR TRIB.

STATION LOCATION TENNESSEE RIVER M465.3 TVA AT CHATTANOOGA, TENNESSEE (SEE NOTE)

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
3	12	8	3	20	2066	342	131	211	3	29	54	15	8	29	2	11	7	1	26
4	8	8	4	16	4406	106	36	70	1	8	14	2	1	10	1	4	2	1	6
5	5	8	5	14	4550	181	65	116	1	19	20	2	1	15	2	6	5	1	13
6	10	8	6	18	5535	100	35	65	1	9	10	1	1	7	1	5	2	1	7
7	8	8	7	16	3922	139	43	96	1	11	12	2	2	8	0	5	3	1	10
8	12	8	8	17	4494	141	45	96	1	11	12	1	2	9	0	4	4	0	13
9	8	8	9	17	4702	111	41	70	2	12	12	1	1	9	1	4	3	1	7

PHS-2048-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE TEXAS
MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN LOWER RED RIVER BELOW DENISON
STATION LOCATION RED RIVER AT
DENISON, TEXAS

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
8	4	8	8	13	5040	313	132	181	8	28	28	4	4	18	2	11	9	1	47
9	10	8	9	17	4900	213	102	111	1	30	26	1	3	20	2	7	11	4	23

FWQ-2648-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE TEXAS
MAJOR BASIN WESTERN GULF
SUB BASIN RIO GRANDE-UPPER-ABOVE PECOS
STATION LOCATION RIO GRANDE RIVER AT
EL PASO, TEXAS

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
4	7	8	4	22	2454	291	88	203	6	6	48	19	7	19	3	7	2	1	18
5	12	8	5	20	5077	142	51	91	1	12	21	5	3	13	0	6	4	1	6
6	2	8	6	12	3772	214	69	145	1	17	23	5	3	14	1	8	4	1	15
8	4	8	8	11	5900	119	45	74	0	12	13	1	2	9	1	4	2	1	13
9	2	8	9	0	4384	115	47	68	2	12	11	2	2	7	0	5	4	1	12

PWD-8640-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: TEXAS
MAJOR BASIN: WESTERN GULF
SUB BASIN: RIO GRANDE-LOWER-BELOW PECOS
STATION LOCATION: RIO GRANDE RIVER AT LAREDO, TEXAS

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
12	26	7	1	3	1655	189	31	158	1	5	13	4	3	5	1	7	1	1	3
1	16	8	1	23	3020	148	28	120	1	4	15	8	1	5	1	7	1	*	*
2	3	8	2	12	3506	147	34	113	1	4	21	9	3	8	1	1	1	1	5
3	4	8	3	12	3653	130	23	107	1	3	13	5	1	6	1	1	1	1	3
3	25	8	4	3	623	712	79	633	0	7	50	16	5	16	13	8	5	3	6
4	29	8	5	6	5537	88	37	51	1	4	22	12	3	5	2	2	1	1	6
5	26	8	6	2	5241	143	57	86	1	9	30	16	4	9	1	4	2	1	10
7	8	8	7	16	2285	308	-	-	-	-	-	-	-	-	-	-	-	-	-
7	29	8	8	7	1973	326	128	198	3	23	54	24	9	21	0	12	5	3	28
8	20	8	8	27	7305	69	33	36	1	5	18	11	3	4	0	2	1	1	5
9	9	8	9	12	1279	197	74	123	0	16	37	17	6	14	0	6	3	2	10
9	23	8	9	29	1162	194	45	149	0	10	18	5	3	9	1	6	1	1	9

FWQ-8045-0
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE WASHINGTON
MAJOR BASIN PACIFIC NORTHWEST
SUB BASIN MIDDLE & LOWER SNAKE RIVER
STATION LOCATION COLUMBIA RIVER AT
PASCO, WASHINGTON

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	4	7	11	15	4000	119	17	102	4	1	5	1	1	3	*	1	2	2	2
12	2	7	12	9	4050	100	19	81	0	4	8	2	1	4	1	1	1	*	5
1	2	8	1	15	4060	89	26	63	*	7	8	2	1	5	*	3	2	*	6
2	3	8	2	15	6080	85	21	64	0	5	7	1	1	4	1	3	1	1	4
3	3	8	3	15	5290	62	26	36	1	6	9	1	1	6	1	3	2	1	4
3	31	8	4	22	3890	200	67	133	1	19	10	1	1	8	0	5	5	1	26
5	8	8	5	26	10180	45	19	26	0	4	6	2	1	3	0	2	2	0	5
7	21	8	8	13	713	67	23	44	0	6	6	1	0	5	0	4	2	0	5

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WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE WASHINGTON
MAJOR BASIN PACIFIC NORTHWEST
SUB BASIN MIDDLE AND LOWER SNAKE RIVER
STATION LOCATION SNAKE RIVER AT
WAWAWAI, WASHINGTON

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
8	4	8	8	18	4310	146	62	84	1	11	35	11	8	15	1	5	2	1	7
9	3	8	9	15	7270	118	51	67	1	11	17	1	2	13	1	8	4	1	9

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE WEST VIRGINIA
MAJOR BASIN OHIO RIVER
SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB.
STATION LOCATION OHIO RIVER AT
HUNTINGTON, WEST VIRGINIA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	4	7	11	15	5737	300	133	167	4	32	55	6	4	42	3	9	15	5	13
12	2	7	12	18	5737	229	67	162	1	12	31	3	4	23	1	6	3	1	13
1	1	8	1	16	4463	258	104	154	6	18	45	11	8	26	1	9	5	2	20
2	3	8	2	17	3690	253	107	146	2	17	47	6	4	30	7	7	6	1	27
3	3	8	3	22	4305	302	141	161	5	35	58	5	9	31	11	11	10	4	18
3	31	8	4	18	3555	247	103	144	2	24	44	8	7	25	4	8	6	2	17
5	5	8	5	16	3690	211	66	145	10	6	25	4	4	14	3	9	3	0	13
5	29	8	6	19	4192	245	170	75	17	32	53	2	5	37	9	17	17	3	31
7	2	8	7	16	4297	339	151	188	9	33	42	1	6	29	6	14	18	5	32
8	1	8	8	18	4005	269	92	177	3	18	28	3	4	18	3	20	8	1	14
9	2	8	9	17	3532	423	180	243	4	36	36	1	2	29	4	14	20	2	68

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11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ARIZONA
MAJOR BASIN COLORADO RIVER
SUB BASIN LOWER COLORADO RIVER
STATION LOCATION COLORADO RIVER AT YUMA, ARIZONA

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
12	2	7	10.5	-	7.9	-	-	-	-	-	-	108	388	-	24	-
12	9	7	11.5	-	7.8	-	-	-	-	-	-	238	392	-	20	-
1	6	8	11.0	-	7.8	-	-	-	-	-	-	229	385	-	20	100
1	13	8	10.2	-	7.9	-	-	-	-	-	-	-	359	-	16	-
1	20	8	9.5	-	8.0	-	-	-	-	-	-	274	376	-	15	40
2	4	8	12.2	-	7.6	-	-	-	-	-	-	-	-	-	32	-
2	24	8	-	-	-	-	-	-	-	-	-	-	-	-	-	200
3	3	8	-	-	-	-	-	-	-	-	-	-	-	-	-	310
3	10	8	13.0	-	8.0	-	12.3	-	-	-	90	260	352	-	20	150
3	17	8	16.5	-	8.4	-	-	-	-	-	89	213	359	-	28	110
3	24	8	15.2	-	8.0	-	-	-	-	-	83	232	318	-	25	160
4	1	8	16.0	-	8.4	-	-	-	-	-	81	168	340	-	26	36
4	7	8	15.0	-	8.4	-	-	-	-	-	95	131	342	8	24	110
4	14	8	17.0	-	8.4	-	11.2	-	-	-	97	171	350	-	30	250
4	22	8	21.5	-	8.2	-	-	-	-	-	105	136	342	5	28	310
4	28	8	19.5	-	8.2	-	-	-	-	-	96	176	342	-	40	170
5	5	8	22.0	-	8.2	-	-	-	-	-	85	152	338	-	26	190
5	12	8	20.5	-	8.2	-	-	-	-	-	85	147	352	-	35	-
5	27	8	27.0	-	8.2	-	-	-	-	-	90	150	368	-	28	30
6	2	8	25.0	-	8.2	-	-	-	-	-	120	160	364	-	22	90
6	10	8	-	-	-	-	-	-	-	-	-	-	-	-	-	280
6	16	8	25.0	-	8.2	-	10.2	-	-	-	106	146	354	-	22	-
6	18	8	-	-	-	-	-	-	-	-	-	-	-	-	-	690
6	23	8	29.3	-	8.0	-	-	-	-	-	114	150	332	-	18	340
7	7	8	28.0	-	8.4	-	-	-	-	-	108	146	302	-	29	940
7	14	8	28.0	-	8.2	-	-	-	-	-	110	148	332	-	22	1400
7	21	8	27.0	-	8.2	-	-	-	-	-	104	140	330	-	18	410
7	28	8	28.5	-	8.2	-	-	-	-	-	110	144	324	-	18	240
8	4	8	29.5	-	8.2	-	-	-	-	-	106	142	314	-	-	240
8	18	8	29.5	-	8.2	-	9.3	-	-	-	104	142	314	-	21	420
8	25	8	30.0	-	8.2	-	-	-	-	-	104	144	320	-	29	240
9	2	8	29.5	-	8.1	-	-	-	-	-	101	136	324	-	30	420
9	8	8	29.5	-	8.2	-	-	-	-	-	105	136	316	-	30	720
9	15	8	25.0	-	8.2	-	-	-	-	-	102	136	324	-	20	210
9	22	8	28.0	-	8.2	-	5.5	-	-	-	93	132	318	-	32	420
9	29	8	24.3	-	8.2	-	-	-	-	-	100	134	330	-	30	520

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WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ARKANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-CAIRO TO HELENA

STATION LOCATION MISSISSIPPI RIVER AT WEST MEMPHIS, ARKANSAS

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
4	16	8	12.5	8.9	7.8	1.4	-	-	-	-	11	80	131	60	-	-
4	21	8	11.4	8.8	7.8	1.6	18.1	1.0	4.1	.08	10	82	116	35	-	-
4	22	8	-	-	-	-	-	-	-	-	-	-	-	-	-	8000
4	28	8	16.3	8.1	7.8	1.1	12.6	2.6	8.8	.06	10	92	334	55	165	6800
5	5	8	18.0	8.4	7.8	1.0	8.1	.8	4.2	.02	8	71	105	45	184	4600
5	12	8	16.9	7.4	7.6	1.0	7.6	1.3	4.4	.01	10	69	104	30	235	2600
5	19	8	18.9	7.4	7.7	.6	4.8	1.0	2.7	.02	7	60	96	35	215	2000
5	26	8	21.8	7.0	7.7	1.1	4.0	.9	3.1	.02	9	83	114	25	85	5000
6	2	8	23.8	6.7	7.8	1.2	13.3	.9	2.2	.02	10	99	138	15	190	18000
6	9	8	25.4	6.9	7.8	.8	9.3	2.7	5.3	.03	11	106	151	15	180	6700
6	16	8	26.1	6.9	7.8	-	12.3	1.7	3.5	.01	12	94	139	45	545	6200
6	23	8	24.9	5.8	7.6	.2	19.1	2.7	9.6	.02	11	86	136	25	725	9600
6	30	8	24.7	6.2	7.5	.8	14.3	1.3	2.5	.01	12	106	148	45	525	-
7	7	8	25.9	4.4	7.6	.3	5.3	2.2	5.3	.02	11	122	162	5	420	11000
7	14	8	27.1	6.1	8.0	.8	7.2	1.3	4.4	.03	11	134	164	35	559	110000
7	21	8	27.1	5.3	7.7	.8	17.8	1.4	2.7	.01	12	102	138	25	1400	7600
7	28	8	26.6	4.6	7.5	.6	3.8	1.7	9.2	.01	11	86	120	45	520	4600
8	4	8	27.0	4.5	7.5	.7	3.9	1.3	3.5	.00	11	86	122	55	350	5400
8	11	8	28.2	4.9	7.6	.9	-	1.3	2.6	.01	8	82	114	40	410	5600
8	18	8	28.4	5.3	7.6	.9	-	1.1	3.7	.03	10	94	134	35	530	39000
8	25	8	26.9	5.8	7.8	.7	-	.9	2.1	.01	11	99	149	15	195	7700
9	2	8	25.8	6.7	7.8	.6	16.3	1.3	4.2	.00	12	116	156	20	125	7600
9	8	8	26.9	6.6	7.9	.4	17.1	2.7	4.3	.03	15	120	170	25	165	17000
9	15	8	25.5	6.9	8.0	.7	7.8	.5	2.1	.03	13	117	162	25	135	-
9	16	8	-	-	-	-	-	-	-	-	-	-	-	-	-	23000
9	22	8	23.4	6.5	7.7	1.1	14.3	.5	2.1	.03	13	89	121	40	650	88000
9	29	8	23.2	7.1	8.0	.7	15.0	1.0	4.3	.02	13	104	154	30	260	17000

PHS-2049-3
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: CALIFORNIA
MAJOR BASIN: COLORADO RIVER
SUB BASIN: LOWER COLORADO RIVER
STATION LOCATION: COLORADO RIVER ABOVE PARKER DAM, ARIZONA-CALIFORNIA

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
1	1	8	12.2	-	8.2	-	-	-	-	-	80	132	-	-	-	-
1	8	8	11.0	-	8.5	-	-	-	-	-	90	140	-	-	-	-
1	16	8	11.1	-	-	-	-	-	-	-	95	135	-	-	-	-
1	22	8	11.1	-	-	-	-	-	-	-	88	141	-	-	-	-
1	29	8	12.3	-	-	-	-	-	-	-	85	128	-	-	-	-
2	5	8	11.7	-	-	-	-	-	-	-	87	133	-	-	-	-
2	13	8	11.6	-	-	-	-	-	-	-	79	129	-	-	-	-
2	19	8	14.4	-	-	-	-	-	-	-	87	132	-	-	-	-
3	5	8	-	-	-	-	-	-	-	-	74	126	-	-	-	-
3	12	8	13.9	-	-	-	-	-	-	-	74	127	-	-	-	-
3	19	8	14.4	-	-	-	-	-	-	-	71	132	-	-	-	-
3	26	8	16.7	-	-	-	-	-	-	-	74	128	-	-	-	-
4	2	8	16.7	-	8.0	-	-	-	-	-	77	129	321	8	25	-
4	9	8	16.1	-	7.6	-	-	-	-	-	80	125	321	5	25	-
4	16	8	17.8	-	7.7	-	-	-	-	-	76	118	330	5	20	-
4	23	8	20.5	-	8.0	-	-	-	-	-	75	124	341	12	20	-
4	30	8	20.5	-	-	-	-	-	-	-	74	126	-	-	-	-
5	7	8	21.1	-	7.3	-	-	-	-	-	73	122	322	10	5	-
5	14	8	23.3	-	8.0	-	-	-	-	-	74	122	311	10	5	-
5	29	8	24.4	-	7.6	-	-	-	-	-	76	127	312	5	5	-
6	4	8	26.1	-	8.9	-	-	-	-	-	74	130	350	6	5	-
6	11	8	26.1	-	7.8	-	-	-	-	-	74	132	340	5	5	-
6	18	8	26.7	-	8.1	-	-	-	-	-	78	127	313	5	5	-
6	25	8	-	-	7.9	-	-	-	-	-	74	126	344	6	5	-
7	2	8	28.3	-	-	-	-	-	-	-	74	129	-	-	-	-
7	9	8	-	-	-	-	-	-	-	-	70	122	-	-	-	-
7	16	8	28.9	-	7.7	-	-	-	-	-	68	126	299	5	5	-
7	23	8	26.1	-	7.6	-	-	-	-	-	69	119	302	5	5	-
7	30	8	27.8	-	7.6	-	-	-	-	-	74	124	303	7	5	-
8	6	8	27.8	-	7.6	-	-	-	-	-	74	125	319	5	5	-
8	14	8	28.3	-	7.7	-	21.9	-	-	-	76	123	319	5	5	-
8	21	8	28.9	-	7.7	-	-	-	-	-	77	128	307	5	5	-
8	27	8	28.3	-	-	-	-	-	-	-	76	125	307	5	5	-
9	3	8	29.4	-	8.2	-	-	-	-	-	81	122	299	9	-	-
9	10	8	28.9	-	8.2	-	28.2	-	-	-	78	119	310	5	-	-
9	17	8	27.8	-	7.6	-	-	-	-	-	75	117	277	5	-	-
9	24	8	26.1	-	7.5	-	-	-	-	-	74	113	293	5	-	-

PHS-2045-B
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE COLORADO
MAJOR BASIN COLORADO RIVER
SUB BASIN UPPER COLORADO RIVER
STATION LOCATION COLORADO RIVER AT LOMA, COLORADO

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
4	21	8	12.2	6.2	7.5	-	-	-	-	.65	-	99	182	-	1200	-
4	28	8	8.9	6.2	7.8	-	-	-	-	1.42	-	-	-	-	-	-
5	12	8	11.5	6.4	7.7	-	-	-	-	.77	27	98	140	-	355	-
5	20	8	13.3	-	7.8	-	-	-	-	2.27	15	93	136	-	335	5000
5	26	8	13.0	4.6	7.8	-	-	-	-	1.70	14	84	114	-	410	2000
6	2	8	13.3	6.8	7.9	-	-	-	-	.31	12	78	128	-	195	63
6	9	8	14.4	7.0	7.8	-	-	-	-	.22	11	79	124	-	325	82
6	16	8	16.7	6.6	7.9	-	-	-	-	.49	23	84	167	-	135	85
6	23	8	17.8	6.6	8.0	-	-	-	-	.25	27	95	189	-	127	32
6	30	8	18.9	6.0	7.9	-	-	-	-	.33	39	110	228	-	48	48
7	7	8	18.9	6.2	8.0	-	-	-	-	.71	70	141	348	-	33	58
7	14	8	21.7	5.9	8.1	-	-	-	-	1.70	103	157	494	-	30	48
7	21	8	21.1	5.9	8.0	-	-	-	-	1.51	113	172	604	-	32	170
7	28	8	20.0	-	7.9	-	-	-	-	1.34	121	189	666	-	29	-
8	4	8	22.2	5.3	7.9	-	-	-	-	1.27	131	199	762	-	39	26
8	11	8	22.2	5.4	8.0	3.3	-	-	-	1.38	70	187	712	-	48	25
8	18	8	22.2	4.6	7.9	1.6	-	-	-	2.50	143	200	868	-	72	73
9	8	8	20.0	5.7	8.0	2.8	-	-	-	2.18	131	206	844	-	60	140
9	15	8	16.7	10.1	7.9	-	-	-	-	2.10	125	204	754	-	2000	380
9	23	8	17.8	5.4	8.1	3.9	-	-	-	-	127	201	704	-	64	680

PHS-2849-3
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE GEORGIA

MAJOR BASIN SOUTHEAST

SUB BASIN SAVANNAH RIVER

STATION LOCATION SAVANNAH RIVER AT PORT WENTWORTH, GEORGIA

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
2	14	8	6.1	10.9	6.5	.6	-	-	-	-	5	15	13	45	-	-
2	24	8	-	-	-	-	-	-	-	-	-	-	-	-	-	106
3	3	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1500
3	11	8	-	-	-	-	-	-	-	-	-	-	-	-	-	650
3	14	8	13.3	7.9	6.6	1.3	-	-	-	-	6	15	14	100	51	-
3	17	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1700
3	24	8	-	-	-	-	-	-	-	-	-	-	-	-	-	300
3	31	8	-	-	-	-	-	-	-	-	-	-	-	-	-	800
4	3	8	-	-	-	-	-	-	-	-	-	-	-	-	-	500
4	11	8	16.1	6.9	7.0	1.4	-	-	-	-	5	15	15	90	62	-
4	14	8	-	-	6.7	-	-	-	-	-	5	17	27	65	20	150
4	21	8	-	-	6.8	-	18.2	-	-	-	4	17	19	70	25	180
4	28	8	-	-	-	-	-	-	-	-	-	-	-	-	-	330
5	2	8	21.4	5.2	7.1	1.2	-	-	-	-	5	15	17	85	75	-
5	5	8	-	-	7.0	-	-	-	-	-	5	42	23	45	35	310
5	12	8	-	-	7.2	-	-	-	-	-	6	37	17	100	5	2300
5	19	8	-	-	-	-	-	-	-	-	-	-	-	-	-	800
5	26	8	-	-	6.9	-	21.9	-	-	-	8	25	17	65	5	1900
6	2	8	-	-	7.3	-	-	-	-	-	1	47	24	29	46	2300
6	9	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1200
6	16	8	-	-	-	-	15.5	-	-	-	-	-	-	-	-	1700
6	23	8	-	-	-	-	-	-	-	-	-	-	-	-	-	900
6	27	8	26.1	6.4	6.9	1.1	-	-	-	-	6	20	19	55	70	-
6	30	8	-	-	-	-	-	-	-	-	-	-	-	-	-	3600
7	7	8	-	-	-	-	21.5	-	-	-	-	-	-	-	-	2100
7	14	8	-	-	-	-	-	-	-	-	-	-	-	-	-	3300
7	21	8	-	-	-	-	-	-	-	-	-	-	-	-	-	4600
7	25	8	26.7	5.6	7.1	.8	-	-	-	-	5	18	20	70	75	-
7	28	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2300
8	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1900
8	11	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1700
8	15	8	28.9	6.5	7.1	.9	-	-	-	-	6	20	20	40	95	-
8	18	8	-	-	-	-	-	-	-	-	-	-	-	-	-	4600
8	25	8	-	-	7.2	-	-	-	-	-	6	23	23	22	35	4000
9	1	8	-	-	-	-	-	-	-	-	-	-	-	-	-	4100
9	2	8	-	-	6.9	-	-	-	-	-	4	21	20	16	-	-
9	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	490
9	12	8	26.4	7.0	6.7	.8	-	-	-	-	12	21	19	25	62	-
9	22	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1900
9	29	8	-	-	7.0	-	-	-	-	-	19	28	24	29	-	3800

PHS-2648-B
7-1-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: IDAHO
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: CENTRAL SNAKE RIVER
STATION LOCATION: SNAKE RIVER AT WEISER, IDAHO

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
12	9	7	5.8	-	7.3	-	-	-	-	-	-	176	172	-	37	3600
12	16	7	5.6	-	7.8	-	-	-	-	-	-	168	176	-	28	6700
12	23	7	5.8	-	7.8	-	-	-	-	-	-	140	132	-	66	-
12	30	7	5.8	-	-	-	-	-	-	-	-	156	164	-	32	-
1	6	8	5.0	-	8.7	-	-	-	-	-	-	168	168	-	31	8000
1	13	8	4.3	-	8.7	-	-	-	-	-	-	180	172	-	32	16000
1	20	8	4.2	-	8.7	-	-	-	-	-	-	148	168	-	52	670
1	27	8	5.5	12.1	8.5	-	-	-	-	-	23	160	144	-	26	2300
2	3	8	4.3	11.2	8.3	-	-	-	-	-	19	156	160	-	50	7000
2	10	8	6.0	11.4	8.0	-	-	-	-	-	9	96	104	-	90	2000
2	17	8	5.6	10.5	7.3	-	-	-	-	-	8	80	80	-	216	4000
2	24	8	6.8	10.5	7.6	-	-	-	-	-	4	36	48	-	65	1000
3	3	8	5.8	11.1	7.5	-	-	-	-	-	4	68	64	-	46	22
3	10	8	5.2	9.2	8.0	-	-	-	-	-	4	56	72	-	53	750
3	17	8	8.8	10.4	7.5	-	-	-	-	-	4	60	64	-	45	4000
3	24	8	8.0	10.5	7.5	-	-	-	-	.04	3	52	56	35	120	-
3	31	8	7.0	10.7	7.5	-	-	-	-	.04	3	56	52	10	55	750
4	7	8	8.0	10.2	7.6	2.1	-	-	-	.04	4	60	52	5	54	700
4	14	8	11.8	9.7	7.5	2.3	10.4	-	-	.04	3	48	64	5	53	8700
4	21	8	9.1	9.8	8.1	1.8	-	-	-	.04	4	40	44	10	60	470
4	28	8	10.0	10.5	7.7	1.2	-	-	-	.04	4	52	56	15	45	34000
5	5	8	10.9	-	7.6	-	-	-	-	-	1	36	48	-	45	230
5	12	8	10.2	-	7.5	-	-	-	-	-	7	48	44	50	104	30
5	19	8	14.9	-	7.4	-	-	-	-	-	1	32	40	5	30	73
5	26	8	16.0	-	7.5	-	-	-	-	-	1	32	16	10	91	43
6	2	8	15.8	-	7.7	-	-	-	-	-	3	44	16	5	40	170
6	9	8	-	-	-	-	-	-	-	-	-	-	-	-	-	31000
6	11	8	18.1	-	8.2	-	-	-	-	-	9	68	72	5	30	-
6	16	8	-	-	-	-	-	-	-	-	-	-	-	-	-	240
6	18	8	24.0	-	7.4	-	-	-	-	-	2	72	84	5	31	-
6	23	8	-	-	-	-	-	-	-	-	-	-	-	-	-	140000
6	25	8	18.5	-	7.5	-	-	-	-	-	3	120	124	5	27	-
6	30	8	-	-	-	-	9.5	-	-	-	-	-	-	-	-	1000
7	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-	46000
7	9	8	23.0	8.0	8.4	4.2	-	-	-	.02	4	176	168	5	27	-
7	14	8	-	-	-	-	-	-	-	-	-	-	-	-	-	660
7	16	8	24.5	10.5	7.9	5.4	-	-	-	.14	3	176	164	5	55	-
7	21	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1300
7	23	8	25.0	9.0	7.8	3.3	-	-	-	.04	3	184	188	5	42	-

PHS-2845-3
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE IDAHO
MAJOR BASIN PACIFIC NORTHWEST
SUB BASIN CENTRAL SNAKE RIVER
STATION LOCATION SNAKE RIVER AT WEISER, IDAHO

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
7	28	8	-	-	-	-	-	-	-	-	-	-	-	-	-	430000
7	30	8	25.0	9.1	7.5	2.4	-	-	-	.08	3	168	188	5	85	-
8	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2300
8	6	8	20.4	7.9	7.6	3.0	-	-	-	.14	6	182	152	5	15	-
8	11	8	-	-	-	-	-	-	-	-	-	-	-	-	-	7800
8	13	8	24.0	6.1	7.9	2.1	-	-	-	.06	2	160	176	7	24	-
8	20	8	23.9	7.8	7.9	2.9	11.3	-	-	.08	3	160	168	5	22	-
8	25	8	-	-	-	-	-	-	-	-	-	-	-	-	-	750
9	1	8	21.0	7.1	7.6	1.7	-	1.5	5.2	.20	3	120	172	5	40	-
9	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2600
9	8	8	21.0	7.8	7.6	1.6	-	1.3	5.0	.14	4	120	176	5	25	-
9	9	8	-	-	-	-	-	-	-	-	-	-	-	-	-	6600
9	15	8	18.0	7.2	7.6	2.2	-	1.1	5.0	.08	3	68	164	5	15	-
9	16	8	-	-	-	-	-	-	-	-	-	-	-	-	-	3300
9	17	8	17.0	7.5	8.0	1.5	-	1.1	4.0	.06	5	160	182	5	22	-
9	23	8	-	-	-	-	-	-	-	-	-	-	-	-	-	3800
9	24	8	17.5	9.3	8.3	1.2	-	2.1	4.1	.08	4	160	180	5	28	-
9	30	8	-	-	-	-	-	-	-	-	-	-	-	-	-	3500

501674 O - 59 - 16

PHS-2049-3
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ILLINOIS
MAJOR BASIN OHIO RIVER
SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION OHIO RIVER AT
CAIRO, ILLINOIS

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
4	15	8	11.0	9.6	7.5	-	-	-	-	.25	12	75	87	-	450	250
4	22	8	-	-	-	-	-	-	-	-	-	-	-	-	-	10
4	28	8	-	-	-	-	-	-	-	-	-	-	-	-	-	180
5	5	8	17.5	11.6	7.5	-	-	1.2	3.6	.10	12	65	125	-	350	-
5	12	8	17.8	6.0	7.5	2.0	-	1.2	2.3	.20	17	65	108	-	225	90
5	19	8	19.0	5.5	7.8	1.3	-	1.0	2.2	.30	12	52	100	-	140	1600
5	27	8	21.4	4.5	7.5	3.8	-	1.3	2.8	.20	14	76	114	-	230	-
6	3	8	22.9	4.9	7.8	.8	-	.8	3.2	.10	17	75	123	5	25	900
6	10	8	25.0	5.2	7.6	2.2	-	1.0	3.6	.20	16	76	115	5	90	1100
6	17	8	25.5	3.8	7.6	1.2	-	2.0	4.2	.30	19	93	120	-	140	-
6	23	8	24.4	4.3	7.7	1.0	17.9	1.4	4.8	.30	21	92	128	-	350	-
6	30	8	24.1	4.6	8.1	.6	-	1.8	5.4	.10	25	105	142	-	210	2000
7	8	8	26.0	5.8	7.8	.8	-	1.4	5.8	.20	14	98	137	-	110	-
7	9	8	-	-	-	-	-	-	-	-	-	-	-	-	-	5000
7	14	8	26.8	6.2	8.2	.7	-	2.0	6.0	.30	20	102	120	-	190	240
7	21	8	27.0	5.1	7.8	.7	17.9	2.4	6.0	.20	16	76	130	-	160	890
7	28	8	26.2	5.4	7.8	1.0	-	2.5	6.2	.20	22	78	112	-	190	1600
8	5	8	26.9	4.8	8.0	.4	-	1.8	6.6	.30	9	75	110	-	160	19000
8	11	8	27.2	4.6	7.8	.8	-	2.2	7.0	.20	10	85	103	-	190	-
8	18	8	27.0	5.8	7.8	1.2	44.6	2.4	7.0	.20	13	92	116	-	190	11000
8	25	8	25.8	5.8	7.8	1.1	-	2.4	5.6	.30	12	93	108	-	160	240000
9	2	8	26.1	6.1	7.3	.9	-	2.2	6.8	.30	14	100	135	-	120	390
9	8	8	26.6	6.6	7.7	1.2	-	2.0	6.0	.10	14	102	112	-	90	-
9	15	8	25.5	7.0	8.0	1.4	-	1.8	5.6	.20	13	85	124	2	40	390
9	23	8	24.2	6.7	8.0	1.2	-	1.9	5.4	.20	17	90	115	-	65	-
9	30	8	23.0	6.9	8.2	1.1	-	1.2	2.5	.20	21	88	138	-	90	1300

PHS-2865-3
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ILLINOIS

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI RIVER-ST. LOUIS AREA

STATION LOCATION MISSISSIPPI RIVER AT EAST ST. LOUIS, ILLINOIS

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
1	6	8	1.6	-	7.7	-	-	-	-	-	17	164	228	43	80	4100
1	13	8	1.1	-	8.0	-	-	6.4	10.0	-	18	164	236	38	60	6500
1	16	8	1.4	-	8.4	-	-	5.2	10.0	-	18	200	264	43	50	-
1	20	8	-	-	-	-	-	-	-	-	-	-	-	-	-	230
1	27	8	1.3	-	8.4	-	-	5.2	10.6	-	19	200	240	48	55	4800
2	3	8	.5	-	8.3	-	-	.8	11.3	-	20	204	266	40	43	1900
2	5	8	.4	-	8.3	-	-	.5	12.6	-	19	210	252	39	40	-
2	10	8	-	-	-	-	-	-	-	-	-	-	-	-	-	320
2	17	8	.2	-	8.0	-	-	1.0	13.0	-	22	208	254	36	27	4300
2	24	8	.6	-	8.0	-	-	5.5	13.0	-	24	212	254	38	26	11000
3	3	8	.2	-	7.4	-	-	.9	13.0	-	16	144	192	40	450	8500
3	10	8	2.2	-	7.6	-	-	.5	14.6	-	18	148	192	50	260	4300
3	17	8	3.2	-	7.6	-	-	.6	14.0	-	16	154	220	43	125	4500
3	24	8	4.0	-	7.9	-	-	.4	12.8	-	18	172	230	44	55	-
3	31	8	6.0	-	8.2	-	-	1.0	14.2	-	17	178	234	35	95	-
4	7	8	9.3	-	8.5	-	-	3.0	17.0	-	17	156	200	35	100	4500
4	14	8	10.9	-	8.4	-	24.5	3.8	12.0	-	16	164	212	35	100	2500
4	21	8	15.1	-	8.0	-	-	4.2	14.2	-	16	160	218	40	75	2580
4	28	8	13.9	-	7.7	-	-	2.9	12.4	-	15	158	216	34	95	3500
5	5	8	15.3	-	7.7	-	-	3.0	9.4	-	17	148	204	38	135	3200
5	12	8	16.4	-	7.6	-	-	3.2	9.0	-	15	146	196	42	170	250
5	19	8	20.0	-	7.6	-	23.6	3.0	6.6	-	15	156	208	40	120	3800
5	26	8	21.4	-	7.5	-	-	2.4	10.6	-	16	160	214	35	175	5000
6	2	8	22.3	-	7.6	-	-	2.8	9.8	-	15	150	214	35	130	9200
6	9	8	22.8	-	7.5	-	-	3.2	11.8	-	16	150	202	45	170	4800
6	16	8	22.6	-	7.4	-	69.0	5.8	11.8	-	13	116	152	35	1500	14000
6	23	8	22.0	-	7.5	-	-	3.9	12.4	-	13	136	188	30	300	32000
6	30	8	22.6	-	7.5	-	-	3.8	10.8	-	14	140	194	30	130	6800
7	7	8	25.6	-	7.5	-	-	4.1	10.9	-	14	142	202	30	500	7300
7	14	8	25.5	-	7.6	-	-	5.2	16.4	-	15	142	200	38	450	5000
7	21	8	24.5	-	7.5	-	31.5	4.8	14.8	-	13	122	168	40	450	10000
7	28	8	25.2	-	7.6	-	-	4.4	12.4	-	13	126	172	39	170	22000
8	4	8	25.2	-	7.4	-	-	4.1	9.7	-	11	102	138	42	600	11000
8	11	8	27.4	-	7.5	-	18.8	3.5	12.3	-	13	132	180	30	150	2700
8	18	8	27.4	-	7.6	-	-	2.2	12.4	-	14	148	194	30	100	6100
8	25	8	26.2	-	7.7	-	-	3.1	11.8	-	14	162	192	32	60	2400
9	2	8	24.6	-	7.7	-	-	3.1	8.3	-	18	152	204	25	170	7000
9	8	8	25.7	-	7.9	-	-	3.1	7.4	-	15	158	186	30	70	6100
9	15	8	23.6	-	7.6	-	41.2	2.5	12.2	-	16	122	156	30	1000	16000
9	22	8	21.6	-	7.6	-	-	1.9	9.0	-	14	134	172	38	190	11000
9	29	8	-	-	-	-	-	-	-	-	-	-	-	-	-	9800

PHS-2945.3
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: INDIANA
MAJOR BASIN: OHIO RIVER
SUB BASIN: OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION: OHIO RIVER AT EVANSVILLE, INDIANA

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
1	13	8	-	-	-	-	-	-	-	-	-	-	-	-	-	8200
2	17	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1300
2	18	8	.1	-	7.2	-	36.9	-	-	-	12	50	98	-	180	-
2	25	8	3.0	11.5	7.2	5.1	20.0	-	-	-	13	70	122	-	70	760
3	5	8	4.9	7.7	7.2	4.8	32.2	-	-	.57	30	62	168	-	120	5800
3	13	8	4.7	9.4	7.2	6.2	33.9	-	-	.21	18	37	134	-	120	-
3	18	8	4.6	6.[illegible]	7.3	4.9	17.7	-	-	.15	16	44	112	-	70	2000
3	27	8	6.2	7.7	7.2	4.9	25.9	-	-	.07	14	39	98	-	110	1600
4	7	8	9.3	10.3	7.2	4.9	29.0	-	-	.15	14	39	124	-	128	3500
4	14	8	10.7	9.3	7.2	4.6	15.4	-	-	.07	12	51	120	-	192	3700
4	28	8	14.4	8.6	7.3	-	-	-	-	.16	16	59	122	-	85	-
5	5	8	18.1	-	7.2	-	-	-	-	.16	11	47	100	-	380	-
5	12	8	18.5	-	7.2	-	42.6	-	-	-	13	56	106	-	131	-
5	19	8	21.4	-	7.2	-	-	-	-	-	12	56	116	-	52	-
5	26	8	21.6	-	7.2	-	-	-	-	-	15	70	140	-	108	-
6	2	8	21.7	7.4	7.3	-	5.1	-	-	.12	18	82	154	-	54	3100
6	16	8	22.4	5.4	7.3	2.6	31.1	-	-	.12	23	70	162	-	39	3600
6	24	8	24.0	5.8	7.4	-	19.[illegible]	-	-	.10	25	80	180	-	163	7400
6	30	8	23.7	6.5	7.6	4.4	5.5	-	-	.19	25	99	186	-	74	4200
7	21	8	-	-	-	-	-	-	-	-	-	-	-	-	-	4800
7	28	8	24.5	5.9	7.8	-	25.5	.2	4.0	.22	11	70	92	-	275	-
8	12	8	-	-	-	-	-	-	-	-	-	-	-	-	-	3500
8	15	8	26.2	8.8	6.2	2.1	-	.3	1.2	.35	25	85	152	-	21	-
9	2	8	25.8	6.7	7.4	-	-	-	-	-	18	88	138	-	58	-
9	3	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2500
9	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1700
9	15	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1300
9	22	8	22.8	7.6	8.0	5.1	-	-	-	.32	30	68	158	-	20	1500
9	29	8	22.1	7.6	7.4	7.2	-	-	-	.49	28	61	171	-	45	2600

PHS-2069-3
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: IOWA
MAJOR BASIN: UPPER MISSISSIPPI RIVER
SUB BASIN: MISSISSIPPI-DES MOINES-SKUNK RIVERS
STATION LOCATION: MISSISSIPPI RIVER AT BURLINGTON, IOWA

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
11	18	7	15.2	-	7.9	-	-	-	-	-	-	160	194	50	29	-
11	25	7	14.5	-	7.8	-	-	-	-	-	-	162	194	60	26	-
12	2	7	13.8	-	7.9	-	-	-	-	-	-	166	208	45	9	-
12	9	7	4.5	-	7.9	-	-	-	-	.03	-	168	198	40	13	2300
12	16	7	10.2	-	7.8	-	-	-	-	.02	-	160	198	30	8	-
12	23	7	11.0	14.3	7.6	-	-	-	-	.01	4	170	198	65	32	-
12	30	7	7.2	15.0	7.8	-	-	-	-	.01	4	178	216	50	19	-
1	6	8	7.0	15.8	8.2	-	-	-	-	.00	20	174	228	45	25	200
1	13	8	2.0	16.6	8.0	-	-	-	-	.01	4	188	242	35	26	600
1	20	8	-	-	-	-	-	-	-	-	-	-	-	-	-	600
1	27	8	1.5	16.1	8.0	-	-	-	-	.02	2	190	240	45	16	600
2	3	8	1.0	14.7	7.8	-	-	-	-	.01	4	184	248	45	14	470
2	10	8	1.0	13.0	7.6	-	29.7	-	-	.01	4	174	224	45	6	-
2	17	8	1.0	14.6	7.6	-	-	-	-	.03	2	174	224	45	6	1500
2	24	8	1.0	15.2	7.6	-	-	-	-	.02	2	180	226	40	4	1500
3	3	8	1.0	12.2	7.7	-	-	-	-	.02	10	146	178	190	134	-
3	10	8	1.8	14.7	7.6	-	29.5	-	-	.01	10	138	182	100	77	800
3	17	8	4.0	16.0	7.6	-	-	-	-	.01	-	154	194	70	30	75
3	24	8	5.5	18.5	7.8	-	-	-	-	.00	2	148	198	50	36	150
3	31	8	7.5	18.8	8.8	-	-	-	-	.01	2	146	178	70	30	132
4	7	8	11.0	11.0	8.5	-	-	-	-	.01	2	140	170	60	20	-
4	14	8	12.0	11.9	8.2	-	28.2	-	-	.01	4	158	180	60	30	-
4	21	8	14.5	10.4	8.1	-	-	-	-	-	4	134	162	70	30	730
4	28	8	13.0	11.0	8.0	-	-	-	-	.01	4	130	180	80	30	760
5	5	8	13.5	10.0	7.9	-	-	-	-	.02	2	134	182	120	50	1400
5	12	8	17.0	9.1	-	-	24.0	-	-	.01	4	146	184	65	32	300
5	19	8	18.5	9.0	7.9	-	-	-	-	.01	4	140	182	90	50	-
5	26	8	20.0	-	7.7	-	-	-	-	.01	2	144	192	70	37	-
6	2	8	21.0	6.1	7.5	-	-	-	-	.02	2	144	188	200	260	-
6	9	8	23.0	7.2	7.5	-	-	-	-	.02	2	150	192	-	-	1800
6	16	8	21.0	7.5	7.2	-	-	-	-	.02	2	130	180	240	300	6300
6	23	8	21.5	5.7	7.6	-	-	-	-	.02	2	132	186	140	50	-
6	30	8	23.5	6.0	8.1	-	-	-	-	.02	2	144	184	140	51	1800
7	7	8	23.0	7.0	8.2	-	-	-	-	.02	2	140	182	70	70	-
7	14	8	23.3	9.0	8.0	-	25.3	-	-	.02	2	140	178	100	35	3100
7	21	8	23.5	7.5	8.1	-	-	-	-	.01	2	114	170	160	150	9000
7	27	8	24.5	-	7.9	-	-	-	-	.01	4	130	168	65	25	500
8	4	8	26.5	-	8.0	-	-	-	-	.01	4	130	160	70	47	990
8	11	8	27.5	-	7.7	-	26.5	-	-	.01	4	132	176	60	25	990

PHS-2049-3
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: IOWA
MAJOR BASIN: UPPER MISSISSIPPI RIVER
SUB BASIN: MISSISSIPPI-DES MOINES-SKUNK RIVERS
STATION LOCATION: MISSISSIPPI RIVER AT BURLINGTON, IOWA

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (cobalt units)	TURBIDITY (cobalt units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
8	18	8	27.0	-	7.9	-	-	-	-	.01	4	132	156	55	20	660
8	25	8	26.0	-	7.8	-	-	-	-	.01	4	126	152	60	25	200
9	8	8	24.0	-	7.7	-	21.6	-	-	.01	8	122	170	60	42	1300
9	15	8	22.0	6.9	7.9	-	-	-	-	.01	8	126	164	65	61	7800
9	22	8	21.0	6.5	7.9	-	-	-	-	.00	9	128	152	70	55	4600
9	29	8	21.5	6.8	7.6	-	-	-	-	.01	9	128	156	70	37	1400

PHS-2849-3
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

NOTE: Results may be influenced by retention in lock structure. Sampling site being changed.

STATE IOWA
MAJOR BASIN UPPER MISSISSIPPI RIVER
SUB BASIN MISSISSIPPI-WAPSIPINICON & TRIB.
STATION LOCATION MISSISSIPPI RIVER AT DUBUQUE, IOWA (SEE NOTE)

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
12	2	7	.5	10.0	8.1	8.4	-	-	-	-	8	154	176	110	-	-
12	16	7	4.1	13.2	8.1	7.2	-	-	-	-	8	156	180	60	-	-
12	23	7	3.0	13.2	8.1	3.6	-	-	-	-	8	154	181	80	-	-
12	30	7	1.0	14.3	8.3	3.9	-	-	-	-	7	155	184	70	-	-
1	6	8	1.0	17.0	8.3	5.6	-	-	-	-	8	160	186	80	-	-
1	13	8	1.0	15.8	8.2	5.0	-	-	-	-	7	170	196	75	-	10
1	20	8	1.1	14.2	8.2	4.6	-	-	-	-	8	164	188	80	-	100
1	27	8	2.2	11.1	7.9	3.7	-	-	-	-	8	164	194	80	-	200
2	3	8	2.0	11.9	8.0	4.2	-	-	-	-	8	170	189	70	-	*100
2	10	8	1.0	12.2	8.1	4.6	-	-	-	-	10	168	192	80	-	10
2	17	8	1.0	12.0	7.8	4.2	-	-	-	-	9	172	196	70	-	-
2	24	8	2.2	10.8	8.0	5.2	-	-	-	-	8	178	190	90	-	-
3	3	8	2.0	9.5	7.8	5.8	-	-	-	-	9	189	168	100	-	800
3	10	8	2.0	10.1	7.9	6.4	26.6	-	-	-	11	192	178	90	-	70
3	17	8	2.1	9.8	7.8	6.9	-	-	-	-	10	186	182	90	-	-
3	31	8	2.8	7.0	8.4	8.2	-	-	-	-	11	137	139	100	-	*10
4	7	8	2.8	10.3	8.4	4.0	-	-	-	-	-	140	149	90	-	280
4	14	8	3.1	13.0	8.2	7.8	22.6	-	-	-	-	134	145	100	-	100
4	21	8	3.3	8.6	7.8	9.1	-	-	-	-	-	125	139	100	-	90
4	28	8	4.6	7.0	8.4	7.3	-	-	-	-	-	148	150	100	-	130
5	5	8	5.0	6.6	8.0	7.0	-	-	-	-	9	134	150	100	-	140
5	12	8	15.1	6.9	8.2	9.2	41.5	-	-	-	10	133	157	100	-	120
5	19	8	16.0	-	8.3	-	-	-	-	-	8	130	162	95	-	-
5	26	8	12.1	-	7.6	-	-	-	-	-	7	138	170	100	-	-
6	2	8	18.0	-	7.5	-	-	-	-	-	10	133	166	90	75	-
6	10	8	21.1	-	7.5	-	35.0	-	-	-	11	134	165	100	190	-
6	16	8	21.0	-	7.7	-	-	-	-	-	10	129	160	100	55	-
6	23	8	22.0	-	7.8	-	-	-	-	-	8	134	159	100	260	-
6	30	8	22.6	-	7.8	-	-	-	-	-	8	130	159	100	75	-
7	7	8	23.2	-	7.7	-	-	-	-	-	6	124	155	90	75	-
7	14	8	24.0	-	7.6	-	24.2	-	-	-	8	117	139	80	55	-
7	21	8	22.0	-	7.5	-	-	-	-	-	7	117	139	80	45	-
7	28	8	24.0	-	7.5	-	-	-	-	-	9	103	122	75	25	-
8	4	8	27.0	-	7.3	-	-	-	-	-	8	95	119	70	25	-
8	11	8	28.0	-	7.2	-	33.6	-	-	-	8	99	122	75	25	-
8	25	8	22.5	-	7.7	-	-	-	-	-	9	115	132	100	290	-
9	2	8	22.0	-	7.5	-	-	-	-	-	8	118	135	80	25	-
9	8	8	22.0	-	7.8	-	33.3	-	-	-	9	95	130	80	25	-
9	15	8	22.0	-	7.7	-	-	-	-	-	9	109	126	70	25	-

FHS-2640-B
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE KANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN ARK. RIVER, KANS-COLO LINE TO TULSA

STATION LOCATION ARKANSAS RIVER AT COOLIDGE, KANSAS

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
4	7	8	-	-	7.6	-	-	-	-	-	195	192	1560	9	25	-
4	14	8	-	-	7.6	-	-	-	-	-	171	182	1550	0	25	-
4	21	8	-	-	7.7	-	-	-	-	-	189	195	1560	7	32	-
4	28	8	-	-	7.7	-	-	-	-	-	133	235	1240	6	265	-
5	5	8	-	-	7.6	-	-	-	-	-	162	233	1157	5	440	-
5	12	8	-	-	7.7	-	-	-	-	-	100	220	1202	5	250	-
5	19	8	-	-	8.1	-	-	-	-	-	70	295	778	15	2500	-
5	27	8	-	-	7.4	-	-	-	-	-	77	687	722	17	3000	-
6	2	8	23.0	-	8.2	-	-	-	-	-	146	230	1341	5	240	-
6	9	8	23.0	-	7.6	-	-	-	-	-	149	231	1410	7	330	-
6	16	8	19.0	-	6.9	-	-	-	-	-	120	89	1230	16	140	-
6	23	8	23.0	-	8.2	-	-	-	-	-	-	-	-	-	-	-
7	1	8	28.0	-	8.2	-	-	-	-	-	171	178	1550	5	5	-
7	8	8	28.0	-	8.2	-	-	-	-	-	99	205	1050	7	200	-
7	21	8	22.5	-	8.2	-	-	-	-	-	124	211	1150	5	280	-
7	28	8	25.0	-	8.2	-	-	-	-	-	90	248	986	15	625	-
8	4	8	27.0	-	8.2	-	-	-	-	-	132	160	1260	7	150	-
8	12	8	23.5	-	8.2	-	-	-	-	-	51	504	840	10	1400	-
8	18	8	23.0	-	8.2	-	-	-	-	-	43	205	642	5	600	-
8	25	8	24.5	-	8.2	-	-	-	-	-	64	204	779	7	310	-
9	3	8	20.5	-	8.2	-	-	-	-	-	130	184	1380	5	42	-
9	8	8	-	-	7.5	-	-	-	-	-	55	190	792	5	335	-
9	17	8	-	-	7.6	-	-	-	-	-	67	178	762	5	165	-
9	22	8	20.0	-	8.2	-	-	-	-	-	65	212	913	5	240	-
9	29	8	16.0	-	8.2	-	-	-	-	-	74	190	933	5	105	-

FWQ-2009-9
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE KANSAS
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER AT KANSAS CITY, KANSAS

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
11	4	7	-	-	-	-	-	-	-	-	-	-	-	-	-	63000
11	18	7	6.7	-	7.9	-	-	-	-	-	24	162	240	9	245	24000
11	25	7	-	-	7.8	-	-	-	-	-	20	174	236	8	265	25000
12	2	7	-	-	8.0	-	-	-	-	-	26	186	243	10	300	25000
12	9	7	-	-	7.9	-	-	-	-	-	22	187	246	10	200	21000
12	16	7	-	-	-	-	-	-	-	-	-	-	-	-	-	10000
12	23	7	-	-	8.0	-	-	-	-	-	19	170	229	10	275	-
12	30	7	-	-	8.1	-	-	-	-	-	22	179	239	10	195	-
1	6	8	-	-	8.0	-	-	-	-	-	23	205	265	12	110	1300
1	13	8	-	-	7.9	-	-	-	-	-	30	215	284	10	200	8200
1	20	8	-	-	8.0	-	-	-	-	-	24	166	226	12	150	16000
1	27	8	-	-	8.1	-	-	-	-	-	23	174	234	12	135	15000
2	3	8	-	-	8.0	-	-	-	-	-	25	184	248	12	82	4400
2	10	8	-	-	7.9	-	-	-	-	-	29	194	257	10	52	7700
2	17	8	-	-	8.1	-	-	-	-	-	28	208	275	12	29	4400
2	24	8	-	-	8.0	-	-	-	-	-	23	178	243	10	200	32000
3	3	8	-	-	7.8	-	-	-	-	-	10	108	135	27	4500	-
3	10	8	-	-	7.9	-	-	-	-	-	18	136	185	20	1500	17000
3	17	8	-	-	7.9	-	-	-	-	-	20	170	222	15	420	18000
3	24	8	-	-	8.0	-	-	-	-	-	19	174	227	12	290	20000
3	31	8	-	-	8.0	-	58.5	-	-	-	14	160	209	18	850	13000
4	7	8	-	-	7.8	-	-	-	-	-	13	156	214	15	490	10000
4	14	8	11.7	-	7.9	-	-	-	-	-	14	154	212	17	500	22000
4	21	8	16.7	-	7.9	-	-	-	-	-	17	155	215	17	450	12000
4	28	8	13.7	9.1	7.9	4.3	29.9	-	-	-	19	155	219	15	360	10000
5	5	8	14.0	7.0	7.5	4.9	78.1	-	-	.08	11	118	162	20	3800	18000
5	12	8	14.1	7.6	7.6	1.6	11.4	-	-	.02	17	161	222	15	300	6000
5	19	8	21.4	5.8	7.7	3.5	82.4	-	-	.03	17	136	195	18	3400	81000
5	26	8	20.6	7.3	7.9	2.0	16.6	-	-	.01	18	154	215	12	320	7600
6	2	8	21.8	6.2	7.9	2.9	31.1	-	-	.03	17	145	212	18	800	18000
6	9	8	24.0	6.3	8.0	4.1	34.7	-	-	.01	18	148	207	15	875	13000
6	16	8	22.0	5.8	7.7	3.7	52.6	-	-	.02	14	128	188	20	1550	67000
6	23	8	22.4	6.5	8.0	2.0	15.9	-	-	.02	18	140	239	20	429	29000
6	30	8	23.9	7.2	7.9	2.2	12.2	-	-	.02	18	146	270	20	300	8000
7	7	8	24.3	4.9	7.6	2.5	85.9	-	-	.03	15	114	201	15	2600	64000
7	14	8	24.1	4.7	7.6	2.4	101.2	-	-	.05	13	103	130	22	2700	99000
7	21	8	21.8	3.9	7.6	2.8	104.3	-	-	.02	12	101	130	22	3000	120000
7	28	8	24.8	5.2	7.6	3.5	76.5	-	-	.01	18	142	164	22	2000	57000
8	4	8	27.1	5.5	7.6	2.3	81.2	-	-	.04	7	111	142	27	2000	72000

PHS-2045.5
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE KANSAS

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER AT KANSAS CITY, KANSAS

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
8	11	8	27.8	5.0	7.6	1.6	55.5	-	-	.02	9	121	166	22	1200	53000
8	18	8	26.5	5.5	7.8	1.3	35.9	-	-	.02	16	144	205	15	600	28000
8	25	8	22.6	6.4	7.7	1.4	21.1	-	-	.03	17	155	226	12	350	10000
9	2	8	23.7	6.5	7.9	1.4	19.8	-	-	.02	17	158	222	12	240	8000
9	8	8	23.3	3.2	7.6	2.3	92.8	-	-	.04	12	122	164	18	3300	180000
9	15	8	21.6	6.8	7.7	1.8	27.6	-	-	.03	13	147	219	12	420	31000
9	22	8	20.9	6.9	7.8	1.6	22.1	-	-	.02	15	163	236	9	300	16000
9	29	8	18.5	7.4	7.8	1.2	18.8	-	-	.02	16	160	229	10	240	19000

PHS-2849-3
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE LOUISIANA
MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN LOWER RED RIVER BELOW DENISON
STATION LOCATION RED RIVER AT
ALEXANDRIA, LOUISIANA

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
11	18	7	-	-	-	-	-	-	-	-	-	-	-	-	-	3500
1	15	8	-	-	-	-	-	-	-	-	-	-	-	-	-	90000
1	20	8	-	-	-	-	-	-	-	-	-	-	-	-	-	15000
1	27	8	-	-	-	-	-	-	-	-	-	-	-	-	-	3400
2	3	8	-	-	-	-	-	-	-	-	-	-	-	-	-	6000
2	10	8	-	-	-	-	-	-	-	-	-	-	-	-	-	3000
2	17	8	-	-	-	-	-	-	-	-	-	-	-	-	-	11000
2	24	8	-	-	-	-	-	-	-	-	-	-	-	-	-	21000
3	3	8	-	7.8	8.3	-	7.7	3.2	12.1	.32	75	97	119	20	210	8000
3	10	8	-	6.6	8.5	-	7.0	4.0	12.2	.32	59	76	112	20	326	11000
3	17	8	-	7.7	8.2	-	22.2	6.1	15.0	.36	25	70	69	40	535	9000
3	24	8	-	8.4	8.6	-	18.2	14.1	37.9	.34	28	63	77	20	575	4000
3	31	8	-	-	-	-	-	-	-	-	-	-	-	-	-	*100
4	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-	18000
4	9	8	-	6.9	8.2	-	24.1	5.9	17.9	.28	36	70	63	20	475	-
4	16	8	20.0	6.0	8.2	-	23.8	6.0	20.4	.36	46	84	103	20	310	1500
4	21	8	-	-	-	-	-	-	-	-	-	-	-	-	-	4000
4	28	8	20.0	5.5	8.1	-	36.2	7.8	29.7	.32	59	89	128	20	1080	140000
5	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	6000
5	12	8	24.0	5.8	8.1	-	29.1	6.2	23.6	.30	13	75	77	30	1000	2730
5	19	8	-	-	-	-	-	-	-	-	-	-	-	-	-	4000
5	26	8	-	-	-	-	-	-	-	-	-	-	-	-	-	10000
6	9	8	-	-	-	-	-	-	-	-	-	-	-	-	-	*9
6	16	8	-	-	-	-	-	-	-	-	-	-	-	-	-	4600
6	30	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2800
7	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2100
7	21	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1400
8	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2500
8	25	8	-	-	-	-	-	-	-	-	-	-	-	-	-	6400
9	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1800
9	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2200
9	15	8	-	-	-	-	-	-	-	-	-	-	-	-	-	500
9	29	8	-	-	-	-	-	-	-	-	-	-	-	-	-	53000

FHS-2640-S
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE LOUISIANA
MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN LOWER MISSISSIPPI-NATCHEZ TO GULF
STATION LOCATION MISSISSIPPI RIVER AT
NEW ORLEANS, LOUISIANA

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
12	12	7	-	-	-	-	-	-	-	-	-	-	-	-	-	1400
12	26	7	-	-	-	-	-	-	-	-	-	-	-	-	-	2300
1	9	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1000
1	16	8	-	-	-	-	-	-	-	-	-	-	-	-	-	600
1	23	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1500
1	30	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2000
2	3	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1300
2	13	8	-	-	-	-	-	-	-	-	-	-	-	-	-	630
2	20	8	-	9.1	8.5	1.3	8.1	2.9	9.3	.25	25	86	121	20	103	1100
2	27	8	-	9.2	8.3	1.6	15.3	4.3	8.6	.35	22	86	121	15	108	-
3	6	8	-	9.5	8.5	2.9	.5	2.5	5.0	.36	23	101	115	20	86	800
3	13	8	-	8.0	8.5	-	2.2	3.2	6.5	.28	25	112	131	20	159	900
3	20	8	-	8.8	8.3	2.5	27.0	7.5	17.9	.32	28	93	119	15	248	-
3	27	8	-	9.2	8.2	4.8	21.8	13.8	39.3	.46	25	78	114	15	372	1400
4	3	8	-	8.9	8.1	1.9	17.7	5.0	15.8	.30	25	85	114	15	268	1400
4	10	8	-	8.1	8.2	1.6	25.3	4.7	17.2	.28	20	83	111	15	340	600
4	17	8	-	8.0	8.4	1.7	16.5	4.4	16.6	.36	25	84	122	15	248	-
4	24	8	-	6.9	8.1	-	17.5	4.6	17.2	.36	20	86	120	15	300	1000
5	1	8	-	7.2	8.1	-	17.0	4.6	17.2	.44	22	88	118	15	218	1300
5	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2100
5	8	8	-	6.5	8.1	-	13.7	3.0	11.3	.32	18	90	113	15	218	-
5	12	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1500
5	15	8	-	6.4	8.0	-	19.4	3.7	14.1	.32	17	75	97	15	278	-
5	22	8	-	5.9	8.0	-	20.0	4.4	13.8	.38	16	96	101	15	340	-
5	29	8	-	5.8	7.9	-	13.5	4.0	14.3	.30	12	81	103	15	258	2300
6	5	8	-	5.3	7.8	-	15.6	4.1	13.8	.36	14	95	111	15	170	1100
6	12	8	-	5.2	7.8	-	15.8	3.6	26.2	.38	19	110	124	15	198	1000
6	19	8	-	5.6	8.0	-	17.6	3.6	27.7	.32	19	123	138	15	170	1300
6	26	8	-	5.5	7.8	-	16.8	3.4	12.4	.36	19	119	140	15	310	2100
7	2	8	-	6.8	7.7	-	19.9	4.1	18.4	.32	23	112	133	15	540	-
7	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-	6300
7	10	8	-	5.7	7.8	-	18.6	4.1	19.9	.30	23	112	135	15	455	-
7	17	8	-	5.7	7.8	-	14.1	4.5	14.3	.40	27	129	156	15	420	2300
7	24	8	-	5.8	7.9	-	20.1	5.2	22.6	.32	28	123	148	15	700	900
7	29	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1700
7	31	8	-	-	7.8	-	27.4	6.6	24.6	.44	20	113	128	15	840	-
8	7	8	-	3.9	7.8	-	32.9	6.6	25.8	.44	16	131	125	20	620	1500
8	14	8	-	5.4	7.7	-	22.5	3.5	16.9	.30	16	117	128	15	455	1400
8	21	8	-	5.2	7.7	-	21.1	4.6	18.4	.36	16	90	107	15	555	900

PHS-2849-3
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE LOUISIANA

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-NATCHEZ TO GULF

STATION LOCATION MISSISSIPPI RIVER AT NEW ORLEANS, LOUISIANA

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
9	28	8	-	6.4	7.8	-	26.8	2.4	16.8	.28	17	101	131	15	258	2300
9	4	8	-	-	8.2	-	13.1	1.7	10.5	.30	23	107	141	15	198	390
9	11	8	-	-	8.0	-	9.4	2.0	9.2	.32	21	119	149	15	178	-
9	18	8	-	-	8.1	-	6.3	2.0	6.7	.36	24	126	165	15	135	180
9	25	8	-	-	8.2	-	7.2	1.7	7.1	.32	29	132	165	15	143	75

PHS-264-3
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MARYLAND
MAJOR BASIN NORTH ATLANTIC
SUB BASIN POTOMAC RIVER
STATION LOCATION POTOMAC RIVER AT GREAT FALLS, MARYLAND

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
10	14	7	-	-	-	-	-	-	-	-	-	-	-	-	-	80
10	21	7	-	-	-	-	-	-	-	-	-	-	-	-	-	60
10	28	7	-	-	-	-	-	-	-	-	-	-	-	-	-	220
11	4	7	-	-	-	-	-	-	-	-	-	-	-	-	-	140
11	11	7	-	-	-	-	-	-	-	-	-	-	-	-	-	13
11	18	7	-	-	-	-	-	-	-	-	-	-	-	-	-	200
12	2	7	3.5	12.0	8.0	2.4	11.4	3.1	4.0	.02	9	72	118	10	8	130
12	9	7	4.0	11.2	7.6	4.4	20.6	6.0	7.3	.16	6	39	80	40	95	-
12	16	7	1.1	13.6	7.9	4.6	16.0	4.3	5.6	.07	14	47	82	16	25	-
12	23	7	8.0	10.4	7.2	2.2	28.0	6.7	7.1	.12	10	24	48	80	80	-
12	30	7	4.0	11.6	7.5	3.8	27.7	7.1	8.9	.06	12	32	58	20	180	-
1	6	8	0.0	14.0	7.6	3.6	8.1	4.7	5.5	.05	4	47	74	7	10	44
1	13	8	0.0	14.4	7.8	4.0	8.5	2.5	4.1	.07	5	61	92	5	4	50
1	20	8	0.0	14.0	7.6	4.2	14.1	4.6	5.7	.06	5	40	68	15	35	960
1	27	8	3.5	12.6	7.5	5.2	24.7	4.6	5.6	.09	3	21	34	35	260	4800
2	3	8	1.1	13.2	7.7	2.6	7.9	3.3	4.2	.06	5	44	72	10	20	320
2	10	8	0.0	14.0	7.7	4.8	16.2	3.7	5.1	.07	5	51	90	15	35	960
2	17	8	0.0	14.2	7.7	4.0	10.3	4.6	-	.09	4	55	88	15	35	170
2	24	8	0.0	13.0	7.8	6.4	8.6	2.1	4.4	.09	5	58	84	10	10	26
3	3	8	3.3	11.2	7.8	2.6	15.7	4.9	6.2	.04	3	34	54	25	90	3200
3	10	8	5.0	10.8	7.8	1.4	4.7	4.1	5.1	.03	3	42	62	10	17	470
3	17	8	3.3	12.4	7.8	4.4	2.4	2.2	3.0	.00	4	43	66	10	14	140
3	24	8	4.5	12.4	7.5	3.6	16.3	5.8	7.9	.02	3	31	50	25	110	1400
3	31	8	7.0	11.6	7.6	3.2	15.0	4.6	5.4	.02	3	33	52	15	80	2400
4	7	8	9.0	11.8	7.6	6.0	20.5	4.5	5.7	.03	4	34	44	25	150	2400
4	14	8	9.0	11.2	7.6	1.8	9.0	1.5	3.4	.02	4	40	60	10	18	1900
4	21	8	15.5	8.2	7.8	1.2	17.9	1.1	3.0	.03	3	48	70	10	16	100
4	28	8	13.3	9.2	7.8	1.6	12.7	2.0	4.2	.03	9	50	70	20	25	-
5	5	8	15.0	9.0	7.6	2.8	20.5	1.7	4.7	.06	4	41	56	10	105	1900
5	12	8	15.0	9.0	7.6	1.0	11.6	1.9	4.6	.02	4	42	54	10	45	2400
5	19	8	19.4	8.0	7.8	1.2	20.1	2.1	4.2	.02	4	56	82	10	16	760
5	26	8	17.7	8.8	8.5	2.2	8.2	2.0	4.8	.02	6	67	88	10	14	700
6	2	8	22.2	7.2	8.3	4.0	10.4	1.7	4.4	.01	6	63	86	10	20	1600
6	9	8	22.2	7.4	8.4	5.4	10.6	1.8	4.4	.01	6	75	108	10	10	2300
6	16	8	20.6	6.8	7.7	1.6	13.2	4.0	5.8	.12	7	71	98	40	80	1200
6	23	8	18.9	7.2	7.9	1.2	23.2	4.0	7.6	.11	6	50	68	50	160	300
6	30	8	19.4	7.4	7.8	1.4	8.6	1.9	4.4	.02	7	63	92	15	28	500
7	7	8	26.7	4.8	7.8	.4	9.7	3.6	4.0	.08	10	66	86	5	14	820
7	14	8	24.5	6.6	7.6	1.6	18.4	4.8	6.5	.07	6	45	58	50	200	2100

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MARYLAND
MAJOR BASIN NORTH ATLANTIC
SUB BASIN POTOMAC RIVER
STATION LOCATION POTOMAC RIVER AT GREAT FALLS, MARYLAND

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
7	21	8	23.0	6.6	8.0	.4	6.8	1.6	3.6	.04	5	78	104	5	21	300
7	28	8	25.0	6.8	7.9	.8	6.7	2.9	3.6	.04	8	83	116	10	21	640
8	4	8	23.3	7.4	7.8	1.4	11.7	2.0	5.1	.04	8	58	76	15	25	1200
8	11	8	26.1	8.6	9.0	3.2	13.6	1.8	5.0	.01	6	55	78	12	46	570
8	18	8	25.0	7.2	8.8	2.4	13.5	2.2	6.4	.01	8	69	88	12	9	180
8	25	8	22.8	6.6	8.2	1.2	6.2	3.1	5.7	.04	8	69	84	15	21	2400
9	1	8	23.9	7.0	8.6	2.4	14.3	4.4	5.6	.02	8	81	102	15	15	-
9	3	8	-	-	-	-	-	-	-	-	-	-	-	-	-	250
9	8	8	24.4	6.6	8.4	1.6	14.6	3.3	4.3	.04	8	73	92	10	10	230
9	15	8	21.1	8.4	8.6	2.0	11.2	2.3	5.0	.01	10	94	106	15	14	220
9	22	8	19.4	6.8	7.9	.8	11.1	2.4	3.7	.08	9	80	96	10	18	600
9	29	8	20.0	7.0	8.9	1.2	12.9	2.0	5.5	.01	11	83	108	15	28	130

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WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MARYLAND
MAJOR BASIN NORTH ATLANTIC
SUB BASIN POTOMAC RIVER
STATION LOCATION POTOMAC RIVER AT WILLIAMSPORT, MARYLAND

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
11	18	7	-	-	-	-	-	-	-	-	-	-	-	-	-	67
11	21	7	7.8	11.2	7.7	1.3	-	-	-	-	-	72	136	10	15	-
11	25	7	-	-	-	-	-	-	-	-	-	-	-	-	-	120
12	2	7	-	-	-	-	-	-	-	-	-	-	-	-	-	11
12	9	7	-	-	-	-	-	-	-	-	-	-	-	-	-	260
12	12	7	1.1	10.3	7.4	1.0	-	-	-	-	-	34	96	20	60	-
1	6	8	-	-	-	-	-	-	-	-	-	-	-	-	-	21
1	13	8	-	-	-	-	-	-	-	-	-	-	-	-	-	18
1	20	8	-	-	-	-	-	-	-	-	-	-	-	-	-	23
1	30	8	3.3	14.7	7.1	2.5	-	-	-	-	-	24	84	20	14	-
2	10	8	-	-	-	-	-	-	-	-	-	-	-	-	-	310
2	13	8	.6	13.4	7.4	2.4	-	-	-	-	-	30	96	20	12	-
2	24	8	-	-	-	-	-	-	-	-	-	-	-	-	-	70
3	3	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1500
3	6	8	4.4	13.6	7.3	1.6	-	-	-	-	-	36	96	20	20	-
3	10	8	-	-	-	-	-	-	-	-	-	-	-	-	-	73
3	13	8	3.3	14.1	7.4	1.5	-	-	-	-	-	30	84	15	15	-
3	17	8	-	-	-	-	-	-	-	-	-	-	-	-	-	10
3	24	8	-	-	-	-	-	-	-	-	-	-	-	-	-	530
3	31	8	-	-	-	-	-	-	-	-	-	-	-	-	-	590
4	3	8	3.3	13.0	7.2	1.4	-	-	-	-	-	28	70	30	25	-
4	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-	640
4	14	8	-	-	-	-	-	-	-	-	-	-	-	-	-	270
4	17	8	18.3	-	7.4	-	-	-	-	-	-	30	100	15	12	-
4	21	8	-	-	-	-	-	-	-	-	-	-	-	-	-	150
4	24	8	17.8	9.8	7.3	6.0	-	-	-	-	-	36	92	20	10	-
4	28	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1500
5	1	8	12.2	11.2	7.0	1.9	-	-	-	-	-	28	64	30	90	-
5	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	5500
5	12	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1630
5	15	8	17.2	10.7	7.3	2.2	9.3	-	-	-	-	36	80	40	35	-
5	19	8	-	-	-	-	-	-	-	-	-	-	-	-	-	700
5	22	8	19.4	8.8	7.5	1.8	-	-	-	-	-	48	120	10	12	-
5	26	8	-	-	-	-	-	-	-	-	-	-	-	-	-	20
6	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	520
6	5	8	21.1	10.3	7.8	1.0	-	-	-	-	-	56	102	30	35	-
6	9	8	-	-	-	-	-	-	-	-	-	-	-	-	-	330
6	16	8	-	-	-	-	4.5	-	-	-	-	-	-	-	-	270
6	26	8	20.6	8.4	7.6	.5	-	-	-	-	-	46	108	30	18	-

PHS-2849-S
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MARYLAND
MAJOR BASIN NORTH ATLANTIC
SUB BASIN POTOMAC RIVER
STATION LOCATION POTOMAC RIVER AT WILLIAMSPORT, MARYLAND

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
6	30	8	-	-	-	-	-	-	-	-	-	-	-	-	-	90
7	7	8	-	-	-	-	11.3	-	-	-	-	-	-	-	-	600
7	14	8	-	-	-	-	-	-	-	-	-	-	-	-	-	460
7	17	8	26.1	5.8	7.7	.9	-	-	-	-	-	68	130	15	8	-
7	28	8	-	-	-	-	-	-	-	-	-	-	-	-	-	500
7	31	8	26.1	7.0	7.4	1.1	-	-	-	-	-	46	76	40	40	-
8	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	610
8	11	8	-	-	-	-	11.8	-	-	-	-	-	-	-	-	800
8	14	8	25.0	7.7	7.5	1.0	-	-	-	-	-	56	102	30	22	-
8	18	8	-	-	-	-	-	-	-	-	-	-	-	-	-	270
8	21	8	24.0	8.8	7.8	2.0	-	-	-	-	-	54	104	20	14	-
8	25	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1800
9	4	8	23.0	8.0	7.9	1.0	-	-	-	-	-	70	128	10	2	-
9	8	8	-	-	-	-	9.4	-	-	-	-	-	-	-	-	360
9	11	8	19.5	8.3	7.6	.8	-	-	-	-	-	72	130	10	2	-
9	15	8	-	-	-	-	-	-	-	-	-	-	-	-	-	33
9	22	8	-	-	-	-	-	-	-	-	-	-	-	-	-	700
9	29	8	-	-	-	-	-	-	-	-	-	-	-	-	-	60

PHS-2945-3
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MASSACHUSETTS
MAJOR BASIN NORTHEAST
SUB BASIN MERRIMAC RIVER
STATION LOCATION MERRIMAC RIVER ABOVE LOWELL, MASSACHUSETTS

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
1	16	8	5.0	13.5	6.3	6.1	8.0	-	-	.09	7	8	24	33	6	-
1	22	8	7.7	14.7	6.6	4.3	8.0	.6	-	.07	7	7	16	30	7	-
1	30	8	10.0	13.7	6.1	3.3	10.0	.6	-	.04	5	3	12	40	7	-
2	5	8	5.0	14.7	6.3	4.8	15.0	.6	-	.04	7	5	19	35	6	-
2	13	8	10.0	13.6	6.3	4.4	16.0	.5	-	.04	8	6	17	27	6	-
2	20	8	6.1	13.6	6.3	1.7	17.0	.5	-	.06	7	7	14	29	9	-
2	27	8	7.9	15.1	6.8	3.8	14.0	.6	-	.05	7	7	17	28	6	-
3	6	8	7.9	15.5	6.4	3.7	14.0	.6	-	.06	7	7	16	33	6	-
3	20	8	10.0	-	6.7	4.6	54.0	1.0	-	.04	9	7	16	32	60	-
3	27	8	8.3	-	6.3	3.5	15.0	.6	-	.04	6	7	14	33	10	-
4	3	8	8.3	-	6.5	7.4	48.0	1.0	-	.03	7	7	20	30	35	-
4	10	8	13.0	12.7	6.1	2.3	54.0	1.2	3.5	.04	4	5	15	35	35	-
4	17	8	6.2	9.3	6.3	1.6	20.0	1.4	2.4	.03	5	6	15	28	10	-
4	24	8	5.0	10.8	6.3	.7	24.0	1.4	3.6	.02	3	6	24	36	16	-
5	8	8	5.0	10.5	6.5	.8	14.4	.9	2.2	.02	4	5	-	35	7	-
5	22	8	14.5	9.8	6.6	1.0	11.2	1.4	4.8	.03	5	7	13	35	6	-
5	28	8	15.0	8.7	6.3	.7	16.8	1.0	7.0	.04	6	10	13	37	5	-
6	4	8	15.5	8.8	6.6	1.0	20.8	.9	7.9	.04	6	9	16	33	7	-
6	11	8	17.5	8.7	6.1	.6	13.6	.9	8.0	.09	7	8	14	35	4	-
7	3	8	20.0	7.3	6.3	1.0	32.0	.8	5.5	.06	8	9	20	75	12	-
7	23	8	20.5	5.9	6.2	.8	28.0	1.1	9.5	.17	8	11	20	62	7	-
8	28	8	22.0	5.2	6.8	2.0	26.4	-	-	.36	12	17	20	38	5	-

PHS-2845 3
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MICHIGAN
MAJOR BASIN WESTERN GREAT LAKES
SUB BASIN ST. CLAIR-DETROIT RIVERS
STATION LOCATION DETROIT RIVER AT DETROIT, MICHIGAN

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
11	14	7	6.0	11.6	8.1	-	2.5	.6	1.5	.01	9	86	102	0	60	-
11	18	7	-	-	-	-	-	-	-	-	-	-	-	-	-	530
11	21	7	6.5	11.3	8.0	.5	3.1	.6	1.3	.00	7	83	98	0	55	-
11	27	7	4.0	11.9	8.0	.4	3.6	.5	.8	.00	7	81	97	0	20	-
12	5	7	3.0	12.5	7.9	.2	3.6	.5	.8	.00	7	81	98	0	20	19
12	12	7	1.0	12.8	7.9	.2	4.7	.5	.8	.00	7	80	96	0	8	8
12	19	7	.5	13.1	7.9	.1	1.1	.3	.6	.00	6	81	96	0	10	-
12	28	7	3.5	12.4	7.9	.1	2.5	.5	.8	.01	7	81	101	0	15	-
1	2	8	1.5	12.7	7.8	.3	5.6	.6	1.1	.04	8	82	102	0	25	-
1	9	8	.3	13.1	7.9	.5	6.0	.5	.8	.01	7	84	104	0	10	16
1	16	8	.3	13.6	7.9	.3	3.3	.3	.5	.00	8	83	101	0	9	3
1	23	8	.2	14.0	8.1	.6	3.9	.3	.5	.01	7	83	102	0	6	-
1	30	8	.2	14.1	8.2	.3	2.6	-	-	.00	9	85	104	0	5	1
2	6	8	.0	14.2	8.2	.6	4.4	.3	.5	.02	9	84	105	0	5	*1
2	13	8	.0	14.2	8.1	.6	4.7	.4	.6	.02	10	88	110	0	6	-
2	20	8	.0	14.4	8.0	1.0	4.2	.3	.6	.02	8	84	104	0	5	-
2	27	8	.5	14.4	8.0	.6	4.4	.3	.5	.01	6	81	101	0	3	*22
3	6	8	.5	13.6	7.9	.9	2.0	.5	1.1	.02	8	82	101	0	4	16
3	13	8	.5	13.8	8.0	.9	4.0	.5	.9	.02	10	83	102	0	4	*1
3	20	8	2.2	13.3	8.1	1.0	4.3	.5	.9	.02	7	81	104	0	3	11
3	27	8	2.2	13.3	8.2	1.0	4.8	.4	.8	.02	6	80	100	0	2	*1
4	3	8	4.0	12.8	7.9	.7	3.7	.5	1.1	.01	6	80	100	0	3	*1
4	10	8	3.3	12.5	8.1	1.1	3.6	.6	1.1	.00	7	78	98	-	10	*1
4	16	8	3.9	12.2	7.8	.9	3.3	.6	.9	.00	5	76	95	0	6	*2
4	24	8	4.4	12.3	8.0	.7	2.8	.5	.9	.00	6	75	89	0	4	2
5	1	8	6.1	11.8	8.1	.6	2.2	.5	.9	.00	8	78	92	0	10	3
5	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	17
5	8	8	7.8	10.9	8.1	1.3	4.2	.5	.9	.00	6	79	95	0	6	-
5	15	8	12.8	10.0	8.0	1.3	6.6	.4	.8	.00	5	82	89	0	5	48
5	22	8	13.6	9.6	8.2	.9	4.6	.8	1.1	.00	6	80	93	0	7	-
5	29	8	13.9	9.5	8.2	.9	2.4	.7	1.1	.00	6	84	102	0	7	-
6	3	8	15.5	9.0	8.1	.8	3.9	-	-	.02	7	83	101	0	7	4
6	10	8	15.6	9.2	7.9	.6	3.6	.7	1.1	.01	7	82	100	0	7	4
6	17	8	15.6	9.1	8.0	.6	3.2	.7	1.1	.02	6	85	99	0	9	-
6	24	8	17.2	9.0	7.9	.6	4.3	.5	1.1	.00	7	82	98	0	8	9
7	1	8	18.3	8.7	8.0	.5	3.3	.6	1.1	.00	6	82	100	0	9	5
7	8	8	20.0	8.5	7.9	.5	2.2	.6	1.1	.01	7	82	97	0	7	-
7	15	8	21.1	8.4	8.2	.4	3.6	.6	1.1	.00	8	80	99	0	9	-
8	13	8	23.3	6.7	8.0	.6	3.6	.7	1.1	.00	6	80	99	0	8	3

FWQ-2645 D
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MICHIGAN
MAJOR BASIN WESTERN GREAT LAKES
SUB BASIN ST. CLAIR-DETROIT RIVERS
STATION LOCATION DETROIT RIVER AT DETROIT, MICHIGAN

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (units)	TURBIDITY (units)	COLIFORMS per 100 ml.
8	19	8	21.6	7.8	8.0	.6	3.0	.8	1.2	.00	7	80	97	0	8	17
8	26	8	20.0	8.4	7.9	.5	3.0	.8	1.2	.01	7	81	96	0	7	4
9	2	8	20.0	8.6	8.0	.4	3.2	.5	1.1	.01	6	81	97	0	9	12
9	9	8	20.0	8.0	7.9	.4	2.4	.5	1.1	.01	7	81	99	0	7	40
9	16	8	18.3	8.4	8.0	.5	3.3	.6	1.1	.01	6	80	97	0	7	-
9	23	8	18.3	8.6	8.0	.4	2.8	.5	1.0	.00	7	85	100	0	9	-
9	30	8	16.7	8.8	7.9	.6	3.0	.5	.9	.00	7	84	100	0	25	-

PHS-2645-3
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MINNESOTA
MAJOR BASIN WESTERN GREAT LAKES
SUB BASIN LAKE SUPERIOR
STATION LOCATION LAKE SUPERIOR AT DULUTH, MINNESOTA

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
10	14	7	-	-	-	-	-	-	-	-	-	-	-	-	-	8
10	22	7	-	-	-	-	-	-	-	-	-	-	-	-	-	2
10	28	7	-	-	-	-	-	-	-	-	-	-	-	-	-	33
11	4	7	-	-	-	-	-	-	-	-	-	-	-	-	-	3
11	11	7	-	-	-	-	-	-	-	-	-	-	-	-	-	4
11	18	7	-	-	-	-	-	-	-	-	-	-	-	-	-	3
11	25	7	6.4	12.2	7.6	.8	-	.7	.9	.00	1	46	40	3	1	2
12	16	7	4.4	12.9	7.7	.4	-	.4	.7	.00	1	44	40	2	0	-
12	30	7	3.1	12.5	7.7	.5	-	.4	.8	.00	1	43	40	3	1	-
1	6	8	3.3	12.5	7.4	1.0	2.4	.6	.8	.00	1	42	36	2	0	1
1	13	8	2.2	12.8	7.7	.8	5.6	.9	1.2	.02	1	42	38	2	1	*1
1	20	8	2.2	13.1	7.8	.8	5.2	.8	1.1	.02	1	44	40	3	1	1
2	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	7
2	3	8	.6	13.5	7.8	.8	6.0	.9	1.2	.01	1	48	40	5	1	-
2	10	8	1.4	13.8	7.7	1.1	3.4	.5	.9	.01	1	44	38	5	1	*1
2	17	8	.8	13.9	7.6	.8	1.8	.7	1.1	.01	1	44	38	5	1	*1
2	24	8	1.1	13.7	7.8	.8	3.2	.5	.9	.00	1	44	40	2	0	*1
3	3	8	1.1	13.7	7.8	.6	2.1	.5	.7	.00	1	44	40	2	0	2
3	10	8	1.1	13.6	7.8	.5	2.9	.6	.9	.00	2	44	40	2	0	1
3	17	8	1.7	13.5	7.6	.7	3.6	.5	.9	.00	1	40	38	5	0	*1
3	24	8	1.1	13.6	7.8	.4	4.4	.4	.6	.00	1	40	36	5	0	4
3	31	8	1.1	13.8	7.7	.4	4.0	.3	.8	.00	1	42	40	5	0	1
4	7	8	1.1	13.6	7.7	.6	4.0	.4	.6	.00	1	42	38	5	0	2
4	14	8	1.1	13.5	7.7	.6	2.8	.6	1.2	.00	1	44	38	5	0	3
4	21	8	1.7	13.5	7.7	.7	2.8	.5	.9	.00	2	42	40	5	2	*1
4	28	8	2.2	13.4	7.6	.6	2.8	.6	.9	.00	1	42	38	5	1	*1
5	5	8	2.8	13.5	7.8	.3	3.8	.6	.9	.00	1	44	38	0	1	*1
5	13	8	3.3	13.4	-	.7	4.0	.6	.9	.00	2	44	40	5	0	*1
5	19	8	3.3	13.3	7.6	.3	5.5	.5	.9	.00	1	44	38	5	0	*1
5	26	8	3.9	13.4	7.7	.7	5.0	.5	.8	.00	1	44	38	0	1	*1
6	2	8	4.4	13.1	7.7	.4	4.0	.5	.8	.00	1	44	40	0	0	*1
6	9	8	4.4	13.2	7.8	.4	3.6	.6	1.1	.00	1	42	40	0	0	*1
6	16	8	5.0	12.7	7.9	.6	4.4	.5	1.0	.00	1	42	40	5	1	*1
6	23	8	5.6	12.8	7.8	.6	3.6	.7	1.1	.00	1	42	40	5	2	*1
6	30	8	8.3	12.4	7.8	.5	5.0	.6	.8	.00	1	43	38	5	0	1
7	7	8	7.8	12.2	7.8	.5	5.0	.6	.9	.00	1	42	38	5	1	16
7	21	8	6.7	12.6	7.7	.5	5.0	.5	.9	.00	1	44	42	5	1	2
7	28	8	6.7	12.5	7.8	.3	4.8	.6	1.1	.00	1	41	38	0	0	1
8	4	8	6.1	12.4	7.7	.4	4.6	.7	1.5	.00	1	42	38	0	0	8

PHS-2665-5
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: MINNESOTA
MAJOR BASIN: WESTERN GREAT LAKES
SUB BASIN: LAKE SUPERIOR
STATION LOCATION: LAKE SUPERIOR AT DULUTH, MINNESOTA

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
8	25	8	12.2	12.2	7.8	.5	5.4	.8	1.8	.00	2	41	39	5	0	4
9	2	8	13.3	11.0	7.9	.6	4.0	1.1	2.3	.02	2	41	39	5	0	6
9	8	8	11.1	11.3	7.6	.4	4.0	1.2	1.8	.02	2	41	38	5	0	3
9	15	8	12.8	10.6	7.8	.7	6.0	.8	1.7	.02	2	41	37	5	0	21
9	22	8	12.2	10.6	7.9	.3	6.0	.8	1.9	.02	2	41	38	5	0	6
9	29	8	11.[illegible]	10.0	7.7	.0	6.8	.9	1.9	.04	2	42	39	5	1	95

PHS-2649.5
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MINNESOTA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN UPPER PORTION UPPER MISSISSIPPI

STATION LOCATION MISSISSIPPI RIVER LOCK DAM #3 BELOW MINNEAPOLIS, MINNESOTA

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
10	30	7	-	-	-	-	-	-	-	-	-	-	-	-	-	37000
11	4	7	-	-	-	-	-	-	-	-	-	-	-	-	-	133000
11	11	7	-	-	-	-	-	-	-	-	-	-	-	-	-	34000
11	18	7	-	-	-	-	-	-	-	-	-	-	-	-	-	11000
11	20	7	1.0	12.2	8.1	2.1	-	.6	10.2	.36	6	201	-	35	10	-
11	25	7	-	-	-	-	-	-	-	-	-	-	-	-	-	7800
11	26	7	1.0	12.2	8.1	3.5	-	.7	10.5	.34	8	199	-	25	6	-
12	2	7	-	-	-	-	-	-	-	-	-	-	-	-	-	17000
12	3	7	.0	13.2	8.2	3.7	-	.5	11.7	.29	8	200	-	25	6	-
12	10	7	.0	11.7	8.0	3.6	20.3	.7	11.9	.40	9	192	-	40	6	13000
12	17	7	.0	12.0	8.0	4.6	32.3	.5	13.4	.39	10	200	-	35	7	-
1	1	8	-	-	-	-	-	-	-	-	-	-	-	-	-	5000
1	7	8	.0	12.1	7.8	2.3	23.0	.5	12.1	.54	9	202	-	30	6	-
1	13	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2700
1	14	8	.5	10.4	7.9	3.0	20.7	.5	12.9	.51	8	194	240	30	3	-
1	21	8	.2	10.1	7.8	2.4	20.8	.3	13.5	.54	9	186	231	30	3	-
1	28	8	.1	9.8	7.8	2.3	20.8	.4	11.9	.62	8	192	227	25	4	2000
2	4	8	.1	9.8	7.8	2.2	18.1	.3	11.6	.57	9	191	221	25	3	1300
2	11	8	.1	9.5	7.7	3.0	17.3	.4	13.7	.58	9	195	225	20	3	1400
2	18	8	.1	8.7	7.7	3.2	11.8	.4	13.0	.74	9	206	229	25	6	4300
2	25	8	.4	8.8	7.7	2.7	17.9	.4	11.8	.63	7	187	217	20	6	1800
3	4	8	1.8	8.5	7.7	2.8	20.4	.4	13.7	.64	9	184	208	25	4	4000
3	11	8	.9	10.9	7.8	2.3	17.4	.3	11.7	.63	13	169	300	25	4	1500
3	18	8	1.1	11.1	7.9	3.7	19.9	.2	11.6	.58	7	166	198	25	4	1600
3	26	8	3.5	12.5	8.0	3.5	21.6	.4	9.8	.35	6	164	210	30	4	1000
4	1	8	5.2	13.1	8.0	4.0	21.4	2.7	9.2	.08	-	170	204	25	4	10000
4	8	8	5.6	12.1	8.2	4.5	26.4	.7	9.7	.19	6	157	200	30	8	10000
4	15	8	10.1	10.1	8.1	4.2	32.5	2.7	9.8	.07	6	156	246	40	65	4100
4	21	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2700
4	22	8	12.2	8.7	8.3	4.8	26.5	2.4	11.4	.06	6	167	277	35	70	-
4	29	8	8.5	10.0	8.3	3.5	25.7	2.6	11.0	.04	6	163	243	30	50	13000
5	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	6500
5	6	8	12.3	10.1	8.4	3.9	25.1	-	-	-	6	166	249	-	45	-
5	13	8	16.8	9.6	8.4	4.4	24.5	3.0	11.2	.00	7	177	253	30	15	5100
5	20	8	16.7	8.4	8.4	4.3	26.8	2.6	-	.10	8	174	244	40	7	3200
5	27	8	18.0	7.2	8.2	3.8	23.5	3.1	11.1	.31	8	170	228	35	10	850
6	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2100
6	3	8	17.4	6.5	8.0	2.0	33.1	.8	12.8	.55	8	169	224	30	10	-
6	10	8	19.4	6.2	8.0	2.5	28.8	.1	12.5	.40	6	149	186	30	75	14000

PHS-2048-B
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MINNESOTA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN UPPER PORTION UPPER MISSISSIPPI

STATION LOCATION MISSISSIPPI RIVER LOCK DAM #3 BELOW MINNEAPOLIS, MINNESOTA

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
6	17	8	18.8	7.7	8.1	3.8	35.5	.7	10.9	.20	7	166	198	30	15	5600
6	24	8	20.1	6.7	8.2	3.8	31.8	.6	10.7	.20	9	168	206	50	50	3800
7	1	8	24.1	7.0	8.3	3.6	35.8	2.2	12.6	.16	8	145	190	40	25	5000
7	8	8	21.2	5.9	7.9	4.3	32.4	.4	12.5	.50	6	129	150	40	15	770
7	15	8	21.3	5.5	7.9	4.3	36.5	.5	12.6	.29	6	119	137	65	10	2300
7	22	8	22.8	5.9	7.9	3.6	36.4	.6	12.7	.27	7	126	155	65	10	1500
7	29	8	23.5	6.4	7.9	4.0	30.8	2.0	14.1	.27	7	112	139	60	10	2000
8	5	8	25.7	6.8	8.1	6.5	40.9	2.9	16.4	.02	10	130	162	55	10	700
8	12	8	26.9	7.1	8.3	4.8	36.7	3.3	14.0	.02	8	126	149	55	10	690
8	19	8	24.9	8.0	8.4	4.0	33.2	4.5	13.9	.02	8	125	147	45	35	1200
8	26	8	19.1	7.3	8.3	3.3	33.4	4.7	-	.14	8	125	148	45	30	640
9	3	8	20.6	7.4	8.1	3.7	30.8	3.2	14.1	.39	11	140	164	40	10	1600
9	9	8	20.4	8.0	8.2	4.6	35.7	.8	14.1	.23	8	128	150	40	40	6700
9	16	8	19.1	8.0	8.2	3.8	26.2	2.9	11.8	.00	7	127	142	40	35	2900
9	23	8	19.4	8.1	8.0	3.9	27.6	2.5	11.8	.14	7	136	144	30	45	5500
9	30	8	15.5	7.7	8.1	2.6	24.9	.5	11.9	.27	7	135	146	30	-	2800

PHS-2049-3
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

NOTE: Results may be influenced by discharge from Yazoo River.

STATE MISSISSIPPI

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-YAZOO RIVERS

STATION LOCATION MISSISSIPPI RIVER AT VICKSBURG, MISSISSIPPI (SEE NOTE)

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
12	9	7	10.5	8.7	7.2	2.4	31.3	4.6	8.6	.05	10	42	58	-	106	120
12	16	7	9.0	9.8	7.2	7.5	77.8	3.2	7.2	.14	8	46	62	-	117	-
12	30	7	12.0	9.2	7.1	2.0	34.0	1.8	5.0	.06	0	52	84	-	225	-
1	6	8	10.0	9.4	7.2	2.2	21.4	1.1	4.5	.08	14	61	94	-	160	310
1	13	8	8.0	10.4	7.3	2.4	10.8	2.1	5.2	.10	10	60	90	-	110	-
1	20	8	8.0	10.4	7.2	2.6	22.5	2.1	8.0	.08	11	69	92	-	160	150
1	27	8	8.0	10.4	7.3	5.2	-	2.3	9.1	.09	10	56	68	-	230	-
2	3	8	7.8	10.6	7.3	2.6	15.5	2.4	8.1	.11	12	50	40	-	145	680
2	17	8	5.5	10.6	7.3	3.0	12.8	2.5	9.1	.08	13	57	78	-	160	1100
2	24	8	7.5	11.8	7.3	3.0	18.3	1.7	6.3	.05	12	54	78	-	130	-
3	3	8	10.2	9.4	7.3	-	17.6	3.4	7.2	.14	11	74	88	-	250	-
3	10	8	10.0	9.6	7.7	3.2	23.0	2.8	6.4	.20	17	96	108	-	250	720
3	17	8	10.0	9.6	7.2	6.6	30.7	5.8	12.4	.08	21	66	108	-	420	-
3	24	8	9.5	9.8	7.3	3.5	13.1	2.8	8.0	.09	13	66	86	-	250	-
3	31	8	10.0	9.4	7.3	4.2	21.4	3.3	9.2	.12	12	62	98	-	230	-
4	7	8	11.5	8.8	7.4	3.8	23.6	3.7	8.4	.90	17	68	120	-	250	-
4	14	8	13.0	8.4	7.6	2.2	22.1	2.5	8.8	.06	17	70	108	-	260	-
4	15	8	-	-	-	-	-	-	-	-	-	-	-	-	-	*2
4	21	8	13.5	8.4	7.7	2.6	21.0	2.8	8.5	.08	13	72	110	-	250	430
4	28	8	14.0	8.2	7.7	2.0	16.1	3.3	7.9	.08	17	76	112	-	182	-
5	5	8	18.0	7.8	7.4	2.0	17.0	2.8	8.1	.06	13	62	88	-	160	940
5	12	8	20.0	7.8	7.7	2.6	16.9	2.5	7.6	.06	10	58	84	-	200	450
5	19	8	27.5	6.0	7.6	1.8	19.0	2.2	7.8	.07	10	62	96	-	210	470
5	26	8	28.0	4.8	7.7	.4	19.0	1.8	6.5	.07	10	55	96	-	95	8
6	2	8	26.0	3.8	7.6	2.0	24.0	2.7	8.5	.08	10	60	72	-	85	92
6	9	8	27.0	3.4	7.4	1.1	40.3	3.8	8.9	.06	14	60	84	-	150	-
6	16	8	26.0	4.2	7.5	1.2	28.7	3.5	8.4	.10	12	64	79	-	175	-
6	30	8	27.0	5.4	7.6	2.3	20.6	4.1	13.0	.06	17	72	122	-	600	590
7	7	8	28.0	5.3	7.4	1.0	20.5	2.8	12.7	.04	13	82	118	-	350	-
7	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	660
7	14	8	28.1	5.8	7.3	1.4	38.4	2.9	10.9	.04	28	124	101	-	600	870
7	21	8	28.2	5.6	7.1	.6	25.2	2.5	9.8	.06	19	80	104	-	650	-
7	28	8	28.2	5.4	7.1	.8	22.8	3.3	10.4	.04	12	71	120	-	700	-
8	4	8	28.8	4.8	7.4	1.4	24.6	2.8	9.8	.06	10	64	128	-	475	-
8	11	8	29.1	4.7	7.5	1.0	11.5	2.2	8.1	.03	7	54	100	-	360	410
8	18	8	28.7	4.7	7.5	2.5	17.0	2.8	9.4	.04	11	72	120	-	270	170
8	25	8	28.0	5.0	7.6	2.4	21.4	4.3	9.1	.04	10	68	100	-	300	-
9	8	8	28.1	6.2	7.7	1.8	23.4	2.0	8.1	.07	9	72	105	-	262	2300
9	15	8	27.3	6.4	7.3	2.4	15.6	1.5	6.4	.04	17	103	148	-	260	-
9	22	8	25.1	6.0	7.1	1.4	18.2	2.1	6.6	.06	17	70	138	-	700	-
9	29	8	28.3	5.4	7.6	1.4	20.1	1.9	7.6	.04	12	81	110	-	460	-

PHS-2045-3
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI-CAPE GIRARDEAU AREA

STATION LOCATION MISSISSIPPI RIVER AT CAPE GIRARDEAU, MISSOURI

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
1	6	8	3.0	-	7.7	-	-	-	-	-	-	112	214	-	220	-
1	13	8	3.0	-	7.9	-	-	-	-	-	-	168	264	-	140	-
1	20	8	4.0	-	8.1	-	-	-	-	-	-	178	278	-	140	-
1	27	8	5.0	-	8.1	-	-	-	-	-	-	172	286	-	180	-
2	3	8	2.0	-	8.1	-	-	-	-	-	-	156	246	-	120	-
2	10	8	2.0	-	8.1	-	-	-	-	-	-	154	256	-	140	-
2	17	8	2.0	-	7.9	-	-	-	-	-	-	164	270	-	120	-
2	24	8	4.0	-	7.7	-	-	-	-	-	-	184	-	-	120	-
3	3	8	6.0	-	7.7	-	-	-	-	-	-	140	208	-	720	-
3	10	8	5.0	-	7.8	-	55.7	-	-	-	-	100	170	-	960	-
3	17	8	7.0	-	7.7	-	-	-	-	-	-	110	170	-	720	-
3	24	8	7.0	-	7.9	-	-	-	-	-	-	110	176	-	380	-
3	31	8	8.0	-	7.9	-	-	-	-	-	9	104	168	15	220	-
4	7	8	11.0	-	7.7	-	31.3	-	-	-	14	118	196	13	260	-
4	14	8	12.0	-	7.9	-	-	-	-	-	-	120	180	-	420	-
4	21	8	16.0	-	7.9	-	-	-	-	-	14	102	216	22	340	-
4	28	8	16.0	-	7.7	-	-	-	-	-	7	116	188	25	340	-
5	5	8	17.0	-	7.9	-	-	-	-	-	-	130	196	15	300	-
5	12	8	17.0	-	7.7	-	78.1	-	-	-	-	116	182	13	1000	-
5	19	8	20.2	-	7.7	-	-	-	-	-	-	136	222	-	380	-
5	26	8	23.0	-	7.8	-	-	-	-	-	-	132	204	-	340	-
6	2	8	23.5	-	7.9	-	-	-	-	-	18	134	204	14	540	-
6	9	8	25.0	-	7.9	-	50.5	-	-	-	18	128	232	-	380	-
6	16	8	25.0	-	7.7	-	-	-	-	-	-	116	166	-	580	-
6	23	8	23.0	-	7.7	-	-	-	-	-	-	112	188	-	960	-
6	30	8	23.5	-	7.7	-	-	-	-	-	15	145	210	15	500	-
7	7	8	26.5	-	7.7	-	-	-	-	-	-	126	242	-	340	-
7	14	8	26.5	-	7.6	-	90.7	-	-	-	-	94	170	-	1060	-
7	21	8	25.0	-	7.7	-	-	-	-	-	-	90	156	-	1160	-
7	28	8	26.0	-	7.6	-	-	-	-	-	-	136	94	-	580	-
8	4	8	26.0	-	7.6	-	-	-	-	-	-	92	140	-	760	-
8	11	8	28.5	-	7.5	-	87.9	-	-	-	-	82	144	-	420	-
8	18	8	28.0	-	7.7	-	-	-	-	-	-	112	174	-	540	-
8	25	8	27.0	-	7.7	-	-	-	-	-	12	130	190	15	260	-
9	2	8	26.0	-	7.8	-	-	-	-	-	16	134	250	15	340	-
9	8	8	26.0	-	7.7	-	67.1	-	-	-	-	140	224	-	220	-
9	15	8	24.5	-	7.9	-	-	-	-	-	-	120	186	-	1060	-
9	22	8	22.0	-	7.7	-	-	-	-	-	-	120	166	-	680	-
9	29	8	22.0	-	7.8	-	-	-	-	-	-	124	190	-	260	-

PHS-2949-3
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI BELOW NIOBRARA RIVER

STATION LOCATION MISSOURI RIVER AT

ST. JOSEPH, MISSOURI

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
12	16	7	10.4	-	8.1	-	-	4.5	6.0	.89	25	214	282	10	125	-
12	30	7	1.1	-	8.0	-	-	4.0	6.0	.35	27	204	268	10	80	7100
1	6	8	1.1	-	7.9	-	-	5.0	7.0	.65	30	196	268	15	25	-
1	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-	850
1	13	8	.6	-	7.9	-	-	3.5	5.0	.50	-	184	252	15	20	14000
1	20	8	.0	-	7.8	-	-	3.5	5.0	.30	44	148	224	15	20	300
1	27	8	2.2	-	7.9	-	-	4.5	6.5	.63	48	190	240	15	20	100
2	4	8	1.7	-	7.9	-	-	3.5	5.0	.36	33	191	252	12	18	-
2	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	700
2	10	8	1.1	-	7.9	-	-	3.5	5.0	.33	34	192	260	10	15	1300
2	17	8	1.1	-	7.9	-	-	3.4	4.5	.33	26	202	260	10	12	-
2	24	8	1.1	-	8.2	-	-	6.0	8.5	.55	35	160	196	20	500	-
3	3	8	1.1	-	8.0	-	-	6.0	7.5	-	24	108	148	15	1440	-
3	10	8	3.9	-	8.0	-	-	4.0	5.5	.43	23	148	188	20	1100	-
3	11	8	-	-	-	-	-	-	-	-	-	-	-	-	-	21000
3	17	8	5.0	-	8.2	-	-	4.0	6.0	.35	27	170	220	10	350	2000
3	24	8	5.6	-	8.3	-	-	5.0	-	.35	27	152	234	10	300	-
3	25	8	-	-	-	-	-	-	-	-	-	-	-	-	-	25000
3	31	8	5.6	-	8.1	-	-	3.5	4.0	.20	27	164	204	15	900	5400
4	7	8	10.6	-	7.9	-	-	4.5	5.5	.48	27	166	212	15	2000	1900
4	14	8	10.6	-	8.0	-	56.8	3.5	5.0	.38	27	158	208	15	500	4800
4	20	8	16.6	-	8.1	-	-	4.0	7.0	.35	27	158	208	10	350	-
4	22	8	-	-	-	-	-	-	-	-	-	-	-	-	-	590000
4	28	8	14.5	-	8.2	-	-	4.0	7.0	.27	29	168	222	7	320	1900
5	5	8	13.3	-	7.8	-	-	7.0	-	.35	23	150	172	15	3500	-
5	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1400000
5	12	8	18.8	7.0	7.7	2.0	-	4.5	7.0	.35	24	172	216	15	230	3900
5	19	8	21.1	7.6	8.1	2.2	-	4.5	7.0	.35	27	151	199	15	1200	12000
5	26	8	21.6	7.8	8.2	3.3	-	4.0	7.5	.40	23	163	214	10	280	-
5	27	8	-	-	-	-	-	-	-	-	-	-	-	-	-	100
6	2	8	22.2	9.0	8.2	6.0	-	4.5	7.0	.50	32	156	213	20	280	-
6	3	8	-	-	-	-	-	-	-	-	-	-	-	-	-	15000
6	9	8	23.3	6.8	8.1	3.4	-	3.5	5.5	.35	23	152	206	15	680	-
6	11	8	-	-	-	-	-	-	-	-	-	-	-	-	-	4600
6	17	8	22.2	7.0	7.9	5.0	22.6	4.0	6.0	.35	25	142	204	10	1300	1900
6	23	8	22.6	8.4	8.2	5.0	-	3.5	5.0	.38	30	124	192	10	260	22000
6	30	8	21.1	7.8	8.4	5.6	-	4.0	6.0	.35	27	146	198	10	315	1300
7	8	8	25.6	6.4	8.0	3.0	-	4.0	6.5	.38	23	111	144	20	2600	51000
7	14	8	25.5	7.5	8.2	4.0	-	4.5	6.5	.40	27	122	160	22	4500	45000

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11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
ST. JOSEPH, MISSOURI

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
7	21	8	23.3	6.4	7.1	4.0	-	3.5	6.0	.35	23	105	140	20	5000	-
7	22	8	-	-	-	-	-	-	-	-	-	-	-	-	-	120000
7	28	8	24.4	5.0	7.6	3.8	89.0	4.0	-	.40	26	110	156	-	2700	27000
8	4	8	24.5	5.4	7.4	3.0	-	4.5	-	.40	20	148	186	20	1600	4500
8	11	8	26.6	5.0	8.1	3.6	-	4.0	6.5	.38	20	144	176	15	600	-
8	18	8	27.2	6.0	7.8	4.2	-	4.0	6.5	.40	20	160	192	10	800	6800
8	26	8	22.8	6.4	8.0	4.6	22.8	3.5	5.0	.35	23	166	220	25	230	-
8	27	8	-	-	-	-	-	-	-	-	-	-	-	-	-	25000
9	2	8	23.3	6.8	8.0	3.6	-	4.0	5.0	.35	25	160	212	7	250	-
9	3	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2700
9	8	8	22.2	5.0	7.8	2.6	-	3.5	5.5	.35	22	106	190	20	3200	86000
9	15	8	21.6	6.0	7.6	5.4	-	3.5	5.5	.37	22	160	220	30	4000	-
9	16	8	-	-	-	-	-	-	-	-	-	-	-	-	-	79000
9	22	8	19.4	7.2	7.9	5.6	64.8	-	-	.40	-	148	196	20	-	66000
9	29	8	18.8	8.0	7.8	4.6	-	3.0	4.5	-	27	152	216	15	230	-
9	30	8	-	-	-	-	-	-	-	-	-	-	-	-	-	62000

PHS-2049-S
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER M36 AT ST LOUIS, MISSOURI

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
10	14	7	-	-	-	-	-	-	-	-	-	-	-	-	-	5100
10	21	7	-	-	-	-	-	-	-	-	-	-	-	-	-	10000
11	4	7	-	-	-	-	-	-	-	-	-	-	-	-	-	6300
11	11	7	-	-	-	-	-	-	-	-	-	-	-	-	-	11000
11	15	7	9.4	10.0	8.1	1.8	6.0	-	-	-	29	156	223	20	210	-
11	18	7	-	-	-	-	-	1.6	4.7	.10	-	-	-	-	-	5400
11	25	7	5.6	9.9	8.1	3.0	9.7	2.8	8.2	.10	25	147	217	24	320	37000
12	2	7	5.7	11.8	8.1	3.3	6.3	5.5	8.8	.10	32	170	232	15	220	-
12	9	7	5.7	11.0	8.2	2.0	6.6	-	-	-	32	175	235	12	200	4200
12	16	7	4.4	12.4	8.0	3.2	6.6	3.0	5.4	.15	30	174	241	14	150	-
12	23	7	8.9	10.0	7.9	3.8	11.2	4.6	7.6	.15	19	112	132	26	800	-
12	30	7	5.5	11.0	7.8	3.1	15.3	6.8	10.1	.10	16	105	142	26	700	-
1	6	8	4.0	13.6	7.8	3.1	5.9	2.7	5.4	.05	25	153	200	12	140	4300
1	13	8	2.2	12.3	8.2	4.3	7.3	3.0	6.3	.15	28	188	233	11	120	2000
1	20	8	5.6	12.2	8.3	2.5	10.4	1.3	3.3	.20	30	185	250	10	290	5300
1	27	8	1.7	12.8	8.3	4.1	7.4	2.5	4.2	.20	27	163	220	10	110	870
2	3	8	2.8	13.0	8.2	4.6	5.8	2.9	4.3	.15	28	167	233	10	140	4200
2	10	8	1.7	12.8	8.3	4.0	6.5	3.0	4.7	.10	23	154	208	14	120	840
2	17	8	2.2	13.7	8.2	3.5	4.6	2.2	4.8	.10	23	168	206	9	75	630
2	24	8	5.0	12.3	8.0	3.3	8.6	4.0	5.2	.25	29	177	234	9	180	790
3	3	8	6.1	9.5	8.0	4.0	-	8.0	10.5	.45	14	92	124	26	2200	14000
3	10	8	4.0	11.4	7.9	3.3	13.0	6.3	11.8	.35	17	85	122	18	1500	11000
3	17	8	5.0	11.6	8.0	1.9	13.4	6.9	10.5	.15	15	113	155	18	550	3000
3	24	8	5.5	11.5	8.1	2.9	13.3	3.2	7.2	.00	15	131	180	18	450	-
3	31	8	8.3	10.8	7.9	2.1	7.8	2.5	6.5	.00	16	111	145	18	180	3100
4	7	8	10.0	9.1	8.0	1.8	13.8	4.9	10.2	.00	11	110	144	18	625	4000
4	14	8	-	-	-	-	-	-	-	-	-	-	-	-	-	8100
4	15	8	11.1	9.9	8.0	1.6	13.5	6.2	12.2	.02	18	124	172	17	1100	-
4	21	8	16.1	8.5	8.1	1.2	11.2	4.4	9.4	.00	19	136	189	15	450	1820
4	28	8	15.5	8.8	8.0	1.2	10.1	3.1	8.7	.02	18	127	187	20	350	2800
5	5	8	16.1	8.7	8.1	1.5	14.7	4.2	9.4	.10	19	130	183	20	370	4700
5	12	8	17.8	7.8	8.1	1.6	14.9	6.5	14.8	.04	13	109	154	24	1000	2640
5	19	8	23.9	7.4	8.0	1.1	11.1	4.9	12.4	.02	23	146	207	20	400	2100
5	26	8	23.7	6.8	8.0	2.5	17.5	5.5	14.1	.01	24	138	206	19	1300	10000
6	2	8	22.8	7.2	8.0	1.2	12.8	4.6	10.7	.02	22	143	209	16	550	5900
6	9	8	25.6	7.0	8.0	1.8	10.4	5.1	13.4	.01	25	148	223	16	500	6000
6	16	8	23.9	5.5	8.1	2.0	16.2	4.6	10.7	.02	23	100	150	26	1250	20000
6	23	8	21.7	6.8	8.0	.5	18.3	7.6	18.8	.12	24	115	176	26	1000	17000
6	30	8	23.9	7.4	8.0	2.3	14.9	5.9	16.6	.15	17	116	177	16	700	6000

PHS-2647-3
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WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER M36 AT ST LOUIS, MISSOURI

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
7	7	8	27.1	5.7	8.0	.7	14.2	6.2	17.1	.02	23	118	195	24	900	12000
7	14	8	25.6	5.2	8.2	1.1	19.3	12.0	20.9	.01	19	107	154	18	2000	9900
7	21	8	26.1	4.0	8.0	1.1	22.3	-	-	-	11	84	113	28	1350	30000
7	28	8	25.5	5.2	8.0	1.6	16.2	-	-	-	12	96	121	24	700	-
8	2	8	26.1	4.1	8.0	1.4	17.8	-	-	-	12	88	109	20	1200	-
8	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	55000
8	11	8	-	5.4	8.0	.9	16.6	-	-	-	16	118	145	20	800	5400
8	18	8	27.2	6.7	8.3	.7	9.4	-	-	-	21	125	168	20	450	3800
8	25	8	27.2	6.4	8.3	.7	12.4	4.5	11.3	.02	19	125	182	20	450	9000
9	2	8	-	-	-	-	-	3.8	13.2	.03	-	-	-	-	-	3200
9	3	8	25.0	7.6	8.2	1.6	8.9	-	-	-	23	157	222	15	400	-
9	8	8	22.5	7.9	8.1	.6	7.7	-	-	-	19	130	178	15	200	3800
9	15	8	22.8	8.0	8.0	2.9	18.6	-	-	-	18	104	142	20	1900	22000
9	22	8	22.2	7.4	7.9	.9	-	6.1	15.1	.00	18	115	157	25	800	11000
9	28	8	-	-	-	-	-	7.4	17.3	.00	-	-	-	-	-	-
9	29	8	21.1	7.2	8.0	1.2	17.4	-	-	-	18	123	172	23	1350	10000

PHS-2645-9
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEBRASKA

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER M642 AT OMAHA, NEBRASKA

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
11	11	7	-	-	-	-	-	-	-	-	-	-	-	-	-	4500
11	18	7	4.5	11.2	8.1	-	4.5	1.6	2.8	.00	12	178	244	12	150	10500
11	25	7	3.5	12.2	8.3	2.3	1.1	1.6	4.1	.08	13	194	254	6	170	6400
12	2	7	4.5	11.0	8.3	.6	2.7	1.3	3.5	.10	12	194	270	6	190	5200
12	9	7	2.5	12.4	8.2	1.5	1.0	1.6	4.8	.08	13	196	264	6	130	5000
12	16	7	2.0	12.4	8.2	1.1	10.6	2.4	5.0	.06	13	204	255	6	240	-
12	23	7	2.5	12.5	8.3	2.0	9.0	1.2	3.8	.03	13	236	260	4	130	-
12	30	7	1.5	15.2	8.3	1.9	8.0	1.8	5.3	.01	13	174	258	6	130	-
1	6	8	1.0	13.5	8.2	2.0	2.9	1.4	4.4	.00	12	206	278	8	80	1300
1	13	8	1.5	13.0	8.3	1.8	8.5	1.4	4.4	.05	14	180	242	6	95	1000
1	20	8	1.5	13.0	8.2	1.6	5.2	1.6	4.5	.02	11	166	224	4	80	690
1	27	8	1.5	13.2	8.3	1.6	4.1	1.5	3.5	.05	13	186	258	6	70	1700
2	3	8	1.0	13.1	8.3	1.0	9.5	1.5	2.9	.10	12	180	244	4	55	1400
2	10	8	.8	13.3	8.2	2.0	7.4	1.4	3.1	.08	12	172	240	6	40	930
2	17	8	.3	13.2	8.3	2.0	3.6	1.3	3.0	.06	12	180	258	4	40	350
2	24	8	.7	9.1	8.0	6.5	63.0	6.7	10.7	.50	8	146	180	6	1900	8700
3	3	8	.5	11.8	8.1	9.2	26.5	9.3	11.4	.60	9	152	198	6	850	18000
3	10	8	2.0	11.9	8.2	3.6	11.4	3.6	5.3	.17	12	184	232	6	200	5200
3	17	8	3.0	12.0	8.3	2.5	9.8	2.8	3.8	.08	12	178	236	6	150	3700
3	24	8	5.4	11.3	8.2	1.8	8.8	1.9	3.3	.04	12	169	243	4	130	3700
3	31	8	7.1	10.3	8.2	2.8	21.4	2.3	3.7	.05	13	166	173	6	220	5000
4	7	8	6.0	9.0	8.0	3.5	42.6	4.3	6.0	.11	11	170	202	6	850	16000
4	14	8	10.0	8.6	8.0	.9	16.3	3.3	5.3	.03	10	154	225	4	260	3300
4	21	8	15.1	8.5	8.2	1.8	12.5	3.0	4.5	.02	11	167	215	6	240	3900
4	28	8	10.3	9.5	8.2	1.4	14.6	2.7	4.4	.00	12	168	234	6	190	4600
5	5	8	13.7	9.0	8.2	1.1	3.5	2.8	3.4	.00	10	165	223	8	210	4700
5	12	8	18.3	8.2	8.3	1.5	17.7	2.2	4.1	.00	12	160	230	6	210	11500
5	19	8	18.8	8.4	8.2	1.9	14.0	1.5	4.0	.05	12	159	219	6	220	6600
5	26	8	19.4	8.4	8.3	2.2	12.7	2.5	4.6	.02	13	157	213	10	180	3000
6	2	8	21.2	6.5	8.0	2.0	4.6	3.7	5.1	.06	13	147	204	8	170	48
6	9	8	22.5	7.1	8.0	2.0	5.1	3.4	5.3	.02	11	148	206	6	290	4500
6	16	8	20.2	7.6	8.0	3.2	14.8	3.0	5.1	.02	11	149	205	4	250	4900
6	23	8	20.3	7.5	8.2	1.4	12.2	4.0	7.6	.01	10	148	208	4	210	4300
6	30	8	23.4	7.5	8.2	1.4	10.4	4.2	7.8	.00	11	143	210	4	250	7100
7	7	8	23.6	7.2	7.9	1.2	13.8	6.6	8.0	.02	11	154	208	6	260	4300
7	14	8	24.[illegible]	7.3	8.2	1.1	3.9	5.1	8.5	.02	12	148	210	6	180	3700
7	21	8	21.9	7.5	8.1	1.3	6.4	4.0	7.7	.02	12	149	212	2	250	-
7	28	8	25.1	7.4	8.1	1.4	11.4	6.2	10.7	.01	12	150	210	4	175	1500

PHS-2949-3
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEBRASKA

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER M642 AT OMAHA, NEBRASKA

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
8	4	8	27.1	7.1	7.9	2.3	13.8	3.9	12.7	.01	14	148	215	6	190	2300
8	11	8	27.8	6.8	8.0	.6	11.9	4.9	11.4	.01	11	145	148	4	170	-
8	18	8	27.0	7.5	8.2	1.6	14.8	4.4	9.7	.02	12	152	218	4	160	-
8	25	8	23.0	8.0	8.0	2.5	9.0	7.5	11.2	.02	11	158	215	4	160	2500
9	2	8	22.8	7.2	8.1	1.9	9.2	5.6	9.4	.00	13	148	220	6	160	830
9	8	8	23.1	8.0	8.2	1.9	10.1	4.6	9.3	.00	10	160	222	4	170	-
9	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	940
9	15	8	20.5	7.5	8.2	1.4	11.1	5.0	6.7	.00	10	149	223	4	150	500
9	22	8	19.9	8.0	8.2	1.8	6.5	4.0	5.1	.02	10	156	226	4	155	-
9	29	8	17.6	8.5	8.2	1.2	6.5	4.8	6.3	.00	10	162	225	4	180	2300

PHS-2049-3
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEVADA
MAJOR BASIN COLORADO RIVER
SUB BASIN LOWER COLORADO RIVER
STATION LOCATION COLORADO RIVER NEAR BOULDER CITY, NEVADA

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
7	18	8	-	-	-	-	-	-	-	-	-	-	-	-	-	3
7	22	8	15.0	9.1	7.9	-	7.0	-	-	-	62	114	302	0	0	*1
8	4	8	14.5	6.3	8.0	-	-	-	-	-	67	116	302	0	0	*1
8	12	8	14.5	6.9	8.0	-	6.5	-	-	.04	62	116	304	-	-	*1
8	19	8	15.0	6.8	8.0	-	-	1.8	3.0	.00	59	116	302	0	0	*1
8	26	8	15.0	7.1	8.0	-	-	1.9	3.0	.01	56	116	296	0	0	*1
9	2	8	15.0	6.3	8.0	-	-	1.2	1.3	.00	56	118	292	0	0	*1
9	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	9	8	15.0	6.5	8.0	-	-	-	-	.00	56	112	356	0	0	-
9	16	8	16.0	-	8.1	-	6.8	-	-	.00	56	112	300	0	0	2
9	23	8	15.0	6.2	8.0	-	-	1.2	4.2	.00	56	112	294	-	-	1
9	30	8	15.0	6.3	8.0	-	-	2.2	4.3	.00	54	112	296	-	-	*1

PHS-2645-3
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEW YORK
MAJOR BASIN NORTHEAST
SUB BASIN LAKE ERIE-NIAGARA
STATION LOCATION LAKE ERIE AT BUFFALO, NEW YORK

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
11	7	7	10.2	-	-	-	3.9	-	-	-	-	-	-	-	-	-
11	15	7	12.0	8.4	-	4.0	2.0	.2	1.2	.00	-	-	-	-	-	-
11	20	7	10.0	-	-	1.0	16.5	.4	1.7	.00	-	-	-	-	-	-
11	27	7	9.0	9.3	7.8	.2	5.6	.3	.6	.14	-	-	-	-	-	-
12	4	7	7.8	8.4	-	.9	4.9	.3	.9	.00	-	-	-	-	-	-
12	11	7	7.6	8.5	-	1.2	-	.3	.9	.00	-	-	-	-	-	-
12	18	7	8.8	8.6	-	1.0	-	.8	1.4	.00	-	-	-	-	-	-
12	26	7	9.4	8.6	-	.7	-	.2	1.1	.00	-	-	-	-	-	-
1	2	8	-	11.0	7.1	1.6	-	.3	.6	.00	-	-	-	-	-	-
1	8	8	5.0	8.5	8.0	.4	-	.2	.5	-	-	-	-	-	-	-
1	15	8	8.0	10.2	7.8	.6	-	.2	.6	.00	-	-	-	-	-	-
1	22	8	8.0	8.7	8.0	.5	-	.1	.5	.01	20	95	119	0	30	-
1	29	8	-	8.8	-	1.0	6.1	.1	.5	.00	-	-	-	-	-	-
2	5	8	4.5	10.9	8.7	.3	-	.1	.5	.00	24	90	126	0	15	-
2	13	8	.0	10.1	7.8	.6	2.3	.0	.4	.00	24	90	126	0	10	-
2	27	8	.0	8.6	7.8	.1	5.7	.0	.5	.00	26	90	132	0	10	-
3	6	8	6.7	9.6	8.1	.9	3.1	.0	.4	.00	26	90	132	0	5	-
3	13	8	5.0	8.7	7.8	.5	8.3	.0	.3	.00	26	90	134	0	10	-
3	20	8	4.1	8.7	7.8	.6	4.3	.0	.5	.00	26	95	134	0	5	-
3	27	8	7.0	8.8	8.1	.4	6.4	.0	.2	.00	26	95	130	-	5	-
4	3	8	8.2	8.8	7.8	.3	8.0	.0	.3	.00	26	95	132	-	3	-
4	9	8	9.5	8.8	7.2	.3	3.3	.0	.5	.00	28	90	128	-	3	-
4	23	8	11.4	8.7	7.8	.2	6.4	.0	.2	-	24	90	132	-	5	-
5	1	8	9.5	9.0	7.8	.8	3.1	.0	.4	.00	24	90	132	-	25	-
5	15	8	-	-	-	-	-	-	-	-	25	90	132	-	5	-
5	22	8	12.0	9.0	-	.8	4.9	.0	.7	.01	25	95	132	-	25	-
6	5	8	17.5	9.7	7.9	1.9	2.7	.0	.5	.01	25	90	130	-	10	-
6	13	8	-	8.8	7.8	3.5	4.8	.0	.9	.01	26	95	132	-	5	-
6	20	8	18.5	10.0	7.9	1.0	9.8	.0	.8	.01	26	95	132	-	25	-
7	16	8	23.5	9.2	-	.5	3.6	.0	.9	.01	33	-	-	-	-	-
7	24	8	22.0	9.0	8.0	.4	5.5	.0	1.0	.01	27	95	134	-	3	-
8	13	8	-	-	7.9	-	-	-	-	-	27	95	138	-	2	-
8	20	8	23.5	8.9	7.9	.7	4.1	.1	.8	.00	27	95	138	-	3	-
9	5	8	22.5	8.8	7.9	.8	4.8	.0	.7	.00	35	88	110	0	0	-
9	15	8	-	-	-	-	-	-	-	-	-	-	-	-	-	*1
9	17	8	19.6	9.3	7.7	.8	7.3	.0	.4	.00	28	88	123	0	1	-
9	24	8	20.5	8.5	8.1	.5	7.2	.0	.9	.04	28	91	119	0	2	36

PHS-2049-S
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEW YORK
MAJOR BASIN NORTHEAST
SUB BASIN LOWER HUDSON RIVER
STATION LOCATION HUDSON RIVER BELOW POUGHKEEPSIE, NEW YORK

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
8	4	8	25.5	-	7.2	-	-	-	-	-	6	54	72	-	13	-
6	9	8	21.6	-	7.2	-	-	-	-	-	6	54	72	-	18	-
6	16	8	20.0	-	7.1	-	-	-	-	-	6	52	76	-	20	-
6	23	8	19.7	-	7.1	-	-	-	-	-	-	60	76	-	18	-
6	30	8	21.2	-	6.9	-	-	-	-	-	6	60	82	-	18	-
7	7	8	22.4	-	7.2	-	-	-	-	-	6	62	84	-	18	-
7	21	8	22.2	-	7.2	-	-	-	-	-	6	60	88	-	18	-
7	28	8	25.3	-	7.1	-	-	-	-	-	6	58	70	-	13	-
8	11	8	25.7	-	7.2	-	-	-	-	-	6	52	72	-	16	-
8	18	8	26.0	-	7.3	-	-	-	-	-	6	56	68	-	16	-
8	25	8	25.5	-	7.2	-	-	-	-	-	6	58	82	-	14	-
9	2	8	24.7	-	7.3	-	-	-	-	-	6	58	70	-	22	-
9	8	8	24.2	-	7.3	-	-	-	-	-	6	52	76	-	12	-
9	15	8	23.1	-	7.3	-	-	-	-	-	6	56	78	-	13	-
9	22	8	24.6	-	7.4	-	-	-	-	-	6	58	41	-	16	-
9	29	8	21.0	-	7.3	-	-	-	-	-	6	54	72	-	17	-

PHS-2040-3
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NORTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN MISSOURI-SOURIS RIVERS
STATION LOCATION MISSOURI RIVER M1377.4 AT BISMARCK, NORTH DAKOTA

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
11	11	7	-	-	-	-	-	-	-	-	-	-	-	-	-	130
11	18	7	-	-	-	-	-	-	-	-	-	-	-	-	-	76
11	19	7	7.2	-	8.3	-	-	-	-	-	-	140	178	15	35	-
11	25	7	-	-	-	-	-	-	-	-	-	-	-	-	-	24
11	26	7	5.2	-	8.2	-	-	-	-	-	-	138	180	15	35	-
12	2	7	-	-	-	-	-	-	-	-	-	-	-	-	-	64
12	3	7	1.5	-	8.3	-	-	-	-	-	-	140	180	20	35	-
12	10	7	.0	-	8.4	-	-	-	-	-	-	146	190	20	60	130
1	7	8	.0	-	8.2	-	-	-	-	-	-	140	190	25	30	-
1	13	8	.0	-	8.4	-	-	-	-	-	-	138	186	20	30	-
1	14	8	-	-	-	-	-	-	-	-	-	-	-	-	-	84
1	21	8	.0	-	8.4	-	-	-	-	-	-	136	168	25	30	72
1	27	8	-	-	-	-	-	-	-	-	-	-	-	-	-	124
1	28	8	.0	-	8.4	-	-	-	-	-	-	136	166	10	30	-
2	4	8	.0	-	8.2	-	-	-	-	-	-	144	172	10	30	52
2	11	8	.0	-	8.2	-	-	-	-	-	-	150	176	10	30	-
2	17	8	-	-	-	-	-	-	-	-	-	-	-	-	-	20
2	18	8	.0	-	8.4	-	-	-	-	-	-	154	186	10	30	-
2	24	8	-	-	-	-	-	-	-	-	-	-	-	-	-	90
2	25	8	.0	-	8.3	-	-	-	-	-	-	146	176	15	30	-
3	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	72
3	11	8	.0	-	8.3	-	-	-	-	-	-	158	194	10	30	70
3	18	8	.0	-	8.3	-	-	-	-	-	-	166	206	5	30	10
3	25	8	.0	12.4	8.4	3.1	23.0	-	-	-	-	156	192	15	40	84
4	1	8	3.8	-	8.3	-	-	-	-	-	-	154	180	50	240	300
4	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	8
4	15	8	-	-	-	-	-	-	-	-	-	-	-	-	-	110
4	16	8	7.0	11.4	-	1.0	5.0	2.9	5.1	-	7	-	-	-	-	-
4	22	8	-	-	-	-	-	-	-	-	-	-	-	-	-	3
4	23	8	4.9	11.4	-	1.2	7.4	1.3	4.3	-	6	-	-	-	-	-
4	28	8	-	-	-	-	-	-	-	-	-	-	-	-	-	46
4	30	8	5.0	11.6	8.3	1.0	5.9	1.3	3.9	-	5	134	212	10	160	-
5	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	26
5	6	8	7.9	11.3	8.3	.5	8.5	1.5	3.6	.14	6	150	212	-	55	-
5	13	8	13.2	10.5	8.4	.8	6.4	1.6	3.9	.34	10	156	214	5	45	84
5	20	8	10.5	9.8	8.4	1.3	7.2	1.6	3.9	.13	10	154	216	2	35	9
5	27	8	13.1	9.9	8.5	.9	7.2	1.3	4.3	.18	6	156	214	8	43	18
6	3	8	12.4	-	8.5	-	-	-	-	.13	-	152	208	6	28	92
6	11	8	12.6	9.6	8.4	.6	8.8	1.2	3.0	.08	9	156	210	0	38	100

PHS-2049-S
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NORTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN MISSOURI-SOURIS RIVERS
STATION LOCATION MISSOURI RIVER M1377.4 AT BISMARCK, NORTH DAKOTA

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
6	17	8	13.3	-	8.3	-	-	-	-	.05	-	156	208	0	35	110
6	18	8	13.6	9.5	-	1.1	8.9	-	3.0	-	8	-	-	0	-	-
6	23	8	-	-	-	-	-	-	-	-	-	-	-	-	-	190
6	24	8	15.3	-	8.4	-	-	-	-	.03	-	158	212	0	57	-
6	25	8	13.6	9.5	-	1.1	9.1	1.2	2.9	-	9	-	-	0	-	-
7	1	8	16.8	-	8.4	-	-	-	-	.08	-	160	210	0	40	200
7	3	8	18.2	8.7	-	1.1	8.0	1.4	3.5	-	8	-	-	0	-	-
7	8	8	15.5	-	8.5	-	-	-	-	.05	-	158	208	20	210	720
7	9	8	15.0	9.0	-	2.3	7.7	1.5	4.2	-	8	-	-	-	-	-
7	15	8	15.8	-	8.4	-	-	-	-	.20	-	162	214	0	70	280
7	16	8	15.0	9.2	-	.7	2.7	1.2	4.0	-	8	-	-	0	-	-
7	22	8	19.1	-	8.4	-	-	-	-	.18	-	160	214	0	37	120
7	23	8	19.5	8.3	-	.9	5.7	1.4	-	-	9	-	-	0	-	-
7	29	8	18.9	-	8.5	-	-	-	-	.45	-	164	214	0	33	110
7	30	8	17.8	8.8	-	1.2	7.5	.8	-	-	8	-	-	0	-	-
8	5	8	19.0	-	8.6	-	-	-	-	.23	-	170	210	0	33	150
8	6	8	18.2	8.7	-	.9	5.8	1.2	3.2	-	8	-	-	0	-	-
8	12	8	20.5	-	8.4	-	-	-	-	.12	-	168	210	0	29	100
8	13	8	18.5	8.3	-	1.0	-	1.6	3.8	-	11	-	-	0	-	-
8	19	8	18.3	-	8.3	-	-	-	-	.00	-	160	208	0	55	220
8	20	8	17.2	8.1	-	.8	7.3	1.7	4.7	.00	8	-	-	0	-	-
8	26	8	16.5	-	8.2	-	-	-	-	.38	-	154	216	28	48	270
8	27	8	18.0	8.1	-	1.0	7.5	1.4	4.3	-	9	-	-	-	-	-
9	2	8	17.2	-	8.2	-	-	-	-	.13	-	160	206	4	54	170
9	3	8	16.9	8.3	-	1.0	5.8	.1	1.8	-	14	-	-	-	-	-
9	8	8	17.3	-	8.3	-	-	-	-	.39	-	158	202	7	47	-
9	9	8	-	-	-	-	-	-	-	-	-	-	-	-	-	350
9	10	8	16.0	8.8	-	.6	7.8	1.7	3.1	-	8	-	-	-	-	-
9	16	8	13.8	-	8.3	-	-	-	-	.26	-	154	200	13	48	180
9	22	8	14.8	-	8.2	-	-	-	-	.23	-	154	202	15	43	110
9	24	8	15.0	8.7	-	-	3.8	.8	2.9	-	12	-	-	-	-	-
9	30	8	10.3	9.4	8.3	1.3	6.4	-	3.4	.25	10	158	204	35	80	430

PHS-849-3
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NORTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN MISSOURI-SOURIS RIVERS
STATION LOCATION MISSOURI RIVER AT WILLISTON, NORTH DAKOTA

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
11	4	7	-	-	-	-	-	-	-	-	-	-	-	-	-	2600
11	11	7	-	-	-	-	-	-	-	-	-	-	-	-	-	3700
11	18	7	2.0	-	7.9	-	-	-	-	-	11	164	254	-	145	-
11	25	7	1.0	-	7.9	-	-	-	-	.10	12	160	246	5	110	640
12	3	7	1.0	-	8.0	-	-	-	-	.10	11	166	260	5	28	-
12	9	7	1.0	-	8.1	-	-	-	-	.10	12	170	250	10	37	1600
12	16	7	1.0	-	8.0	-	-	-	-	.10	10	165	248	10	45	-
12	23	7	1.0	-	7.9	-	-	-	-	.10	10	162	244	0	25	-
12	30	7	1.0	-	8.0	-	-	-	-	.10	10	182	258	0	25	-
1	6	8	.1	-	7.9	-	-	-	-	.10	9	188	290	20	25	120
1	13	8	-	-	-	-	-	-	-	-	-	-	-	-	-	150
1	14	8	1.0	-	8.0	-	-	-	-	.10	10	170	258	20	25	-
1	22	8	1.0	-	8.0	-	-	-	-	.10	9	166	248	20	35	-
1	27	8	1.0	-	8.0	-	-	-	-	.10	11	168	244	20	25	170
2	3	8	1.0	-	8.0	-	-	-	-	.10	10	166	250	20	25	-
2	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	280
2	10	8	1.0	-	8.0	-	11.0	-	-	.01	10	156	262	30	25	100
2	17	8	1.0	-	8.1	-	-	-	-	.10	10	168	272	30	25	60
2	24	8	1.0	-	7.9	-	-	-	-	.05	10	168	260	30	37	90
3	3	8	1.0	-	8.0	-	-	-	-	.05	11	150	224	30	37	240
3	10	8	1.0	14.0	8.0	-	10.7	-	-	.10	9	136	208	30	25	140
3	17	8	1.0	13.2	8.1	-	-	-	-	.10	10	126	246	20	25	180
3	24	8	1.0	12.9	8.1	-	-	-	-	.10	11	160	246	30	25	-
3	31	8	1.0	12.3	8.1	-	-	-	-	.10	10	140	218	60	168	360
4	7	8	8.0	12.7	8.0	-	-	-	-	.10	10	152	210	30	155	25
4	14	8	8.5	10.4	8.0	-	-	-	-	.10	10	126	238	-	675	300
4	21	8	10.5	10.6	8.1	-	-	-	-	.10	9	162	236	20	330	-
4	29	8	5.5	11.7	8.1	-	-	-	-	.10	10	160	248	30	340	370
5	5	8	10.5	11.3	8.1	-	-	-	-	.10	12	162	236	5	320	270
5	12	8	14.0	9.6	8.1	-	-	-	-	.10	11	170	236	10	290	310
5	25	8	19.0	-	8.0	-	-	-	-	-	8	108	124	20	900	-
5	26	8	-	-	-	-	-	-	-	-	-	-	-	-	-	700
6	2	8	17.0	-	8.0	-	-	-	-	.10	6	94	114	10	575	300
6	11	8	17.0	9.7	8.0	1.4	-	-	-	.10	8	90	132	10	950	11000
6	18	8	17.0	9.7	8.1	-	58.5	-	-	.10	8	118	178	20	2500	2400
7	9	8	19.0	9.4	8.1	1.8	-	-	-	.05	7	128	160	15	1900	6800
7	16	8	19.0	9.4	8.0	1.8	33.1	-	-	.05	8	170	236	10	2000	2200
7	23	8	19.0	9.3	8.0	1.7	-	-	-	.05	8	180	245	10	1000	-
7	25	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1300

PHS 2845-3
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NORTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN MISSOURI-SOURIS RIVERS
STATION LOCATION MISSOURI RIVER AT WILLISTON, NORTH DAKOTA

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
7	3[illegible]	8	22.[illegible]	9.1	8.2	.8	-	-	-	.02	11	160	246	10	1000	-
7	31	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1400
8	6	8	2[illegible].7	8.8	8.2	1.2	-	-	-	.02	11	170	250	10	3000	1300
8	13	8	21.5	8.0	8.[illegible]	1.5	-	-	-	.05	12	162	222	10	800	2600
8	2[illegible]	8	19.5	1[illegible].2	8.1	1.1	-	-	-	.05	11	160	200	10	200	-
8	21	8	-	-	-	-	-	-	-	-	-	-	-	-	-	410
8	27	8	19.[illegible]	10.2	8.1	-	-	-	-	.05	11	170	222	10	178	-
9	3	8	16.[illegible]	-	8.1	-	-	-	-	.05	11	160	234	10	320	2300
9	1[illegible]	8	16.5	-	8.1	-	-	-	-	.05	11	158	220	10	210	-
9	11	8	-	-	-	-	-	-	-	-	-	-	-	-	-	300
9	15	8	-	-	-	-	-	-	-	-	-	-	-	-	-	500
9	17	8	13.[illegible]	-	8.[illegible]	-	-	-	-	.05	11	164	222	5	159	-
9	24	8	13.[illegible]	-	8.1	-	17.2	-	-	.10	11	166	238	5	165	840
9	3[illegible]	8	11.[illegible]	-	8.2	-	-	-	-	.10	11	172	232	5	153	-

PHS-2049-B
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE OHIO
MAJOR BASIN OHIO RIVER
SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION OHIO RIVER M510 AT
CINCINNATI, OHIO
38/05/2103

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
10	9	7	-	-	-	-	-	-	-	-	-	-	-	-	-	594
10	16	7	-	-	-	-	-	-	-	-	-	-	-	-	-	370
10	23	7	-	-	-	-	-	-	-	-	-	-	-	-	-	390
10	30	7	-	-	-	-	-	-	-	-	-	-	-	-	-	1300
11	4	7	-	-	-	-	-	-	-	-	-	-	-	-	-	270
11	11	7	-	-	-	-	-	-	-	-	-	-	-	-	-	420
11	13	7	10.2	11.4	7.7	3.1	8.4	-	-	1.58	62	49	198	40	20	-
11	18	7	-	-	-	-	-	-	-	-	-	-	-	-	-	15000
11	25	7	-	-	-	-	-	-	-	-	-	-	-	-	-	3000
11	26	7	11.1	7.9	7.6	6.2	53.9	-	-	.44	55	60	203	70	650	-
11	27	7	8.8	9.2	7.2	2.6	38.1	7.2	-	.40	36	50	152	30	62	-
12	2	7	-	-	-	-	-	-	-	-	-	-	-	-	-	2200
12	4	7	7.0	10.5	7.3	1.8	10.7	5.8	8.9	.30	28	44	110	30	54	-
12	11	7	7.0	8.7	7.2	5.2	172.4	8.5	18.0	.29	33	34	119	40	240	8500
12	18	7	5.1	10.5	7.3	2.6	69.8	8.0	19.0	.15	23	41	120	40	114	-
12	26	7	7.9	9.6	7.0	-	50.5	5.5	14.9	.15	24	38	109	50	180	-
1	2	8	5.1	10.3	6.8	2.3	9.2	1.9	5.8	.11	18	26	89	40	120	-
1	8	8	2.1	12.0	7.1	1.6	56.2	1.9	5.4	.20	18	38	105	30	66	15000
1	15	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1000
1	22	8	2.2	11.9	7.0	2.3	30.2	5.7	10.9	.30	23	36	100	20	112	4100
1	29	8	3.9	11.4	6.8	2.9	52.0	4.8	10.0	.12	19	27	89	50	240	8900
2	5	8	3.2	11.6	6.8	1.7	65.0	3.6	8.8	.15	17	26	93	30	250	3800
2	12	8	2.0	12.1	6.9	1.3	61.6	3.6	8.8	.21	15	22	68	40	160	3900
2	19	8	.6	13.2	7.0	2.0	4.1	4.7	6.8	.22	20	33	102	10	30	720
2	26	8	3.2	13.0	6.9	1.1	14.1	10.4	12.8	.48	29	35	137	10	15	440
3	5	8	4.8	11.2	7.1	2.3	34.0	4.0	8.7	.18	27	28	101	10	70	6400
3	11	8	-	-	-	-	-	-	-	-	-	-	-	-	-	4100
3	12	8	5.0	11.5	6.8	1.1	17.3	2.7	6.5	.11	19	23	88	15	80	-
3	19	8	5.1	11.3	7.3	.9	22.0	2.8	6.5	.15	19	26	82	15	100	2400
3	26	8	5.7	11.2	7.0	2.3	22.8	3.3	5.8	.17	23	34	99	15	55	1500
4	2	8	8.1	10.3	6.8	1.1	27.9	2.7	6.5	.14	16	24	93	10	90	3100
4	9	8	10.0	9.7	7.1	.9	22.6	2.0	5.5	.06	15	26	78	15	130	2700
4	16	8	9.7	9.9	6.8	.9	23.3	1.9	6.8	.02	17	28	84	10	65	3700
4	23	8	13.2	8.5	7.0	1.1	18.8	2.4	5.6	.18	18	29	88	10	65	600
4	30	8	14.2	9.3	7.2	1.4	70.6	2.8	8.9	.14	15	27	70	10	260	6000
5	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2800
5	7	8	14.2	8.1	7.0	1.5	17.7	2.6	6.8	.11	15	30	80	20	210	-
5	14	8	14.2	8.3	7.0	1.1	12.1	2.3	6.2	.14	14	26	83	10	85	1440

PHS-2845-3
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE OHIO
MAJOR BASIN OHIO RIVER
SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION OHIO RIVER M510 AT
CINCINNATI, OHIO

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
5	21	8	18.4	7.3	7.0	1.4	31.6	2.7	7.4	.15	17	40	108	10	140	1100
5	28	8	20.9	6.3	7.0	1.2	17.4	2.7	7.3	.17	18	39	101	10	90	1000
6	4	8	21.5	7.8	7.3	1.5	8.1	1.9	5.0	.19	21	43	116	10	45	160
6	11	8	24.2	7.8	7.3	2.3	13.4	2.2	6.7	.06	27	45	138	20	130	7800
6	18	8	23.4	[illegible]	7.1	1.4	28.8	2.7	8.9	.13	36	47	172	30	220	11000
6	25	8	22.5	6.3	7.1	.9	13.1	1.6	6.0	.08	26	60	144	20	75	1200
7	2	8	24.1	7.7	7.5	1.3	3.2	1.6	4.8	.00	31	58	149	20	40	3600
7	9	8	26.0	7.6	7.5	2.5	7.8	2.6	6.6	.14	28	55	144	20	25	7200
7	16	8	25.9	4.5	7.2	5.9	25.1	2.7	9.6	.14	36	43	148	40	750	11000
7	23	8	24.0	4.3	6.8	3.3	25.0	2.9	9.4	.14	17	35	98	25	260	5000
7	30	8	23.9	5.1	7.1	2.0	25.4	2.8	8.7	.12	14	50	89	20	325	5700
8	6	8	23.9	4.1	6.5	1.6	26.7	2.8	8.3	.11	17	37	107	20	280	6400
8	13	8	25.0	5.4	7.4	1.3	26.5	2.3	8.4	.09	16	43	97	20	340	6000
8	20	8	25.5	5.4	7.3	1.2	31.1	2.3	7.4	.00	24	47	112	20	170	6700
8	27	8	24.3	5.5	6.9	1.1	6.3	2.2	5.7	.11	24	48	135	10	130	4300
9	3	8	24.4	7.5	7.5	.5	13.5	1.5	4.3	.13	34	53	144	10	40	1000
9	10	8	24.6	7.7	7.3	1.8	6.6	1.6	4.0	.10	40	54	156	10	40	1000
9	17	8	23.6	8.0	7.6	1.2	6.6	1.6	4.4	.17	33	45	154	15	15	750
9	24	8	22.4	6.8	7.4	1.1	30.2	1.9	6.9	.12	39	47	162	20	100	5500
9	29	8	20.4	7.4	7.4	.8	9.1	1.7	4.9	.10	28	49	154	20	35	960

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PHS-2040-3
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE OHIO
MAJOR BASIN OHIO RIVER
SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION OHIO RIVER AT
EAST LIVERPOOL, OHIO

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
10	14	7	-	-	-	-	-	-	-	-	-	-	-	-	-	4400
10	21	7	-	-	-	-	-	-	-	-	-	-	-	-	-	6700
11	18	7	-	-	-	-	-	-	-	-	-	-	-	-	-	10000
11	25	7	-	-	-	-	-	-	-	-	-	-	-	-	-	4300
12	2	7	-	-	-	-	-	-	-	-	-	-	-	-	-	5400
12	10	7	-	-	-	-	-	-	-	-	-	-	-	-	-	18000
12	16	7	-	-	-	-	-	-	-	-	-	-	-	-		5300
1	6	8	-	-	-	-	-	-	-	-	-	-	-	-	-	3800
1	13	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1300
1	21	8	-	-	-	-	-	-	-	-	-	-	-	-	-	230
1	28	8	-	-	-	-	-	-	-	-	-	-	-	-	-	4000
2	3	8	-	-	-	-	-	-	-	-	-	-	-	-	-	4700
2	18	8	1.1	-	-	-	-	-	-	-	-	28	128	-	18	2400
2	24	8	-	-	-	-	-	-	-	-	-	-	-	-	-	8600
2	25	8	5.0	-	-	-	-	1.2	1.2	-	-	-	120	-	40	-
3	11	8	-	-	-	-	-	-	-	-	-	-	-	-	-	5200
3	17	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1700
3	24	8	-	-	-	-	-	-	-	-	-	-	-	-	-	6900
3	31	8	8.0	-	7.4	-	-	.4	-	-	-	17	116	-	62	12000
4	14	8	-	-	-	-	-	-	-	-	-	-	-	-	-	18000
4	21	8	13.0	-	3.5	-	-	-	-	-	-	0	82	-	30	1800
4	29	8	-	-	-	-	-	-	-	-	-	-	-	-	-	18000
5	12	8	-	-	-	-	-	-	-	-	-	-	-	-	-	4200
6	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	4700
6	9	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1800
7	10	8	-	-	-	-	-	-	-	-	-	-	-	-	-	8800
7	15	8	26.0	-	6.8	-	-	.8	.8	-	5	32	144	-	200	6400
7	23	8	-	-	-	-	-	-	-	-	-	-	-	-	-	17000
8	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	19000
8	18	8	-	-	-	-	-	-	-	-	-	-	-	-	-	7900
8	19	8	25.0	-	5.8	-	-	.7	.7	-	5	25	116	-	18	-
8	26	8	-	-	-	-	-	-	-	-	-	-	-	-	-	6000
9	22	8	-	-	-	-	-	-	-	-	-	-	-	-	-	12000
9	29	8	22.0	-	7.2	-	-	.8	.8	-	5	32	128	-	18	-
9	30	8	-	-	-	-	-	-	-	-	-	-	-	-	-	3700

PHS-2545.3
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: OKLAHOMA
MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN: ARK. RIVER, KANS.-COLO LINE TO TULSA
STATION LOCATION: ARKANSAS RIVER NEAR PONCA CITY, OKLAHOMA

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
4	7	8	-	-	7.4	-	48.8	-	-	-	151	143	224	15	470	-
4	15	8	-	-	7.6	-	-	-	-	-	249	189	335	12	245	-
4	21	8	-	-	7.7	-	-	-	-	-	389	200	448	15	121	-
4	28	8	-	-	7.6	-	-	-	-	-	369	195	390	12	78	-
5	8	8	-	-	7.4	-	-	-	-	-	176	160	260	15	700	-
5	14	8	-	-	7.6	-	-	-	-	-	259	176	350	20	360	-
5	26	8	-	-	7.5	-	-	-	-	-	108	177	255	25	1250	-
6	2	8	-	-	7.9	-	-	-	-	-	274	182	399	12	365	-
6	8	8	-	-	7.5	-	-	-	-	-	300	182	431	20	525	-
6	16	8	-	-	7.4	-	-	-	-	-	343	299	431	17	175	-
6	23	8	-	-	7.3	-	-	-	-	-	346	179	398	10	340	-
6	30	8	-	-	7.2	-	-	-	-	-	147	165	315	20	750	-
7	7	8	-	-	7.3	-	-	-	-	-	33	99	157	27	1200	-
7	14	8	-	-	7.1	-	-	-	-	-	76	146	206	20	1000	-
7	21	8	-	-	7.0	-	-	-	-	-	75	105	184	28	650	-
7	28	8	-	-	7.2	-	-	-	-	-	115	158	259	17	800	-
8	4	8	-	-	7.5	-	-	-	-	-	52	144	191	23	950	-
8	18	8	-	-	7.3	-	-	-	-	-	264	206	406	13	285	-
8	25	8	-	-	7.6	-	-	-	-	-	257	187	352	13	370	-
9	2	8	-	-	7.5	-	-	-	-	-	287	192	377	10	305	-
9	8	8	-	-	7.4	-	-	-	-	-	354	158	361	14	600	-
9	15	8	-	-	7.5	-	59.1	-	-	-	178	128	249	16	650	-
9	22	8	-	-	7.0	-	-	-	-	-	101	116	210	20	700	-
9	29	8	-	-	7.3	-	-	-	-	-	190	160	222	27	650	-

PHS-2049-S
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE OREGON
MAJOR BASIN PACIFIC NORTHWEST
SUB BASIN COLUMBIA RIVER BELOW YAKIMA RIVER
STATION LOCATION COLUMBIA RIVER AT
BONNEVILLE, OREGON

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
11	18	7	9.5	11.4	8.0	1.8	-	-	-	-	4	77	-	-	5	-
11	25	7	9.0	11.4	7.8	1.2	-	-	-	-	6	78	-	-	5	-
12	2	7	7.5	11.7	8.1	1.2	-	-	-	-	6	78	-	-	5	60
12	9	7	6.5	11.6	8.1	1.3	-	-	-	-	5	73	-	-	5	-
12	16	7	6.0	11.6	8.1	1.2	-	.7	1.3	.19	5	74	-	-	5	-
12	23	7	5.5	11.9	8.1	2.2	-	1.1	1.3	.25	8	74	-	0	-	-
1	6	8	3.5	13.0	8.1	1.1	13.5	1.2	1.3	.20	8	74	-	0	2	7
1	13	8	4.0	12.6	8.1	1.0	4.0	1.6	2.7	.18	6	73	-	0	4	7
1	20	8	4.5	12.4	8.1	.7	-	.5	1.7	.25	8	73	-	0	3	-
1	27	8	5.5	12.5	7.9	.8	2.8	.8	-	.18	8	72	-	0	5	1
2	3	8	6.0	12.0	7.9	1.1	9.7	-	-	.26	-	-	-	5	86	90
2	10	8	6.5	11.8	7.8	1.0	2.3	-	-	-	-	-	-	3	25	10
2	17	8	7.0	12.1	7.5	1.1	10.0	1.5	2.3	.14	3	74	-	8	105	220
2	24	8	7.5	12.3	7.8	1.1	-	2.2	2.3	.35	4	67	-	11	88	110
3	3	8	7.5	12.6	7.9	1.0	-	.9	2.9	.30	2	63	-	9	54	60
3	10	8	6.0	13.0	7.9	1.2	5.7	.3	-	-	2	65	-	4	45	940
3	17	8	6.0	12.5	7.8	1.4	6.9	.2	1.2	-	3	72	-	1	6	-
3	24	8	7.0	12.3	8.2	1.4	4.7	.5	2.0	.50	3	71	-	2	5	40
3	31	8	8.5	12.2	8.2	1.2	4.4	.8	.8	.24	3	76	-	4	20	28
4	7	8	9.0	11.5	8.0	.9	13.5	1.1	2.5	.04	3	69	-	5	10	-
4	14	8	11.0	11.0	8.0	.9	8.1	.7	1.2	.10	3	67	-	5	35	50
4	21	8	10.0	11.4	8.0	1.4	-	1.1	3.3	.28	3	61	-	5	41	-
4	28	8	10.5	12.3	7.9	1.2	14.0	1.3	3.6	.20	2	52	-	10	60	110
5	5	8	12.5	11.5	8.0	1.0	-	1.0	3.5	-	2	60	-	5	28	21
5	12	8	13.0	10.8	8.1	1.2	10.5	.8	3.2	-	2	53	-	5	35	20
5	19	8	14.0	11.5	7.7	.9	7.2	.9	4.0	-	2	44	-	5	30	160
5	26	8	16.0	11.4	7.8	1.2	8.5	1.1	5.0	-	2	42	-	5	48	100
6	2	8	15.0	11.5	7.6	1.0	25.0	1.5	3.5	-	2	41	-	5	10	45
6	9	8	16.0	10.8	8.0	.9	10.1	1.1	2.4	-	1	40	-	5	12	-
6	10	8	-	-	-	-	-	-	-	-	-	-	-	-	-	85
6	16	8	18.0	11.1	7.9	2.0	3.2	1.7	4.9	-	2	45	-	5	7	24
6	23	8	19.5	10.8	7.9	1.6	-	1.2	4.3	-	1	45	69	5	-	36
6	30	8	17.5	10.2	8.2	1.6	-	-	-	.18	2	52	55	2	6	43
7	7	8	20.0	10.1	8.4	2.1	8.2	-	-	.29	2	52	56	2	4	13
7	14	8	21.0	9.2	8.2	1.5	3.2	-	-	.06	2	52	60	1	6	35
7	21	8	20.[illegible]	8.5	8.0	1.6	4.4	.5	2.5	.06	2	55	60	1	6	-
7	28	8	22.0	7.7	7.8	1.2	4.7	.7	2.3	.36	2	58	62	1	11	*1
8	4	8	22.0	8.6	7.9	1.3	3.3	1.4	2.7	.25	3	58	65	0	3	*1
8	11	8	22.0	8.6	8.2	2.2	4.2	.2	2.5	.25	3	65	66	0	1	*1

PHS-2849-S
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE OREGON
MAJOR BASIN PACIFIC NORTHWEST
SUB BASIN COLUMBIA RIVER BELOW YAKIMA RIVER
STATION LOCATION COLUMBIA RIVER AT BONNEVILLE, OREGON

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
8	18	8	22.0	8.1	8.2	1.4	4.2	.7	2.0	.27	3	65	69	0	1	-
8	19	8	-	-	-	-	-	-	-	-	-	-	-	-	-	*1
8	25	8	22.8	7.9	8.0	1.6	5.0	1.2	2.7	-	5	66	71	0	0	*1
9	2	8	21.8	7.0	8.2	1.0	4.9	.7	2.1	-	7	68	73	0	0	-
9	8	8	22.0	8.0	8.0	-	-	-	-	.50	5	69	69	0	-	*1
9	15	8	21.5	8.0	7.9	1.0	5.5	.9	1.9	.50	6	60	66	0	0	*4
9	22	8	20.5	8.2	8.0	1.2	7.6	.7	2.8	.18	4	68	75	0	0	-
9	29	8	20.0	9.0	7.7	1.8	-	-	-	.24	5	76	81	0	-	*20

PHS-2645-3
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE OREGON
MAJOR BASIN PACIFIC NORTHWEST
SUB BASIN COLUMBIA RIVER BELOW YAKIMA RIVER
STATION LOCATION COLUMBIA RIVER M552 AT
CLATSKANIE, OREGON

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
4	4	8	-	-	7.2	-	-	-	-	-	4	59	68	8	25	-
4	14	8	-	-	7.5	-	-	-	-	-	0	57	53	15	25	-
4	21	8	-	-	7.3	-	-	-	-	-	4	47	25	12	27	-
4	28	8	-	-	7.3	-	-	-	-	-	4	61	34	10	5	-
5	5	8	-	-	7.4	-	-	-	-	-	5	69	42	12	5	-
5	13	8	-	-	7.5	-	12.1	-	-	-	4	76	57	10	5	75
5	26	8	-	-	7.9	-	-	-	-	-	4	50	48	8	37	-
6	2	8	16.1	-	7.8	-	-	-	-	-	4	43	62	5	38	-
6	9	8	-	-	7.8	-	-	-	-	-	3	49	70	5	29	-
6	16	8	17.8	-	7.6	-	16.3	-	-	-	6	53	54	7	29	1700
6	23	8	20.0	-	8.1	-	-	-	-	-	3	51	83	5	25	-
6	30	8	18.9	-	7.3	-	-	-	-	-	3	68	58	6	5	-
7	7	8	19.5	-	7.6	-	-	-	-	-	3	67	54	5	5	-
7	14	8	20.6	-	7.0	-	-	-	-	-	2	59	78	5	5	-
7	21	8	20.6	-	7.0	-	-	-	-	-	2	58	34	7	5	-
7	28	8	22.2	-	7.6	-	36.6	-	-	-	3	55	70	5	5	-
8	1	8	22.0	7.1	6.8	.8	-	-	-		2	47	31	7	3	130
8	5	8	22.7	-	7.5	-	-	-	-	-	2	60	67	8	5	-
8	11	8	22.2	-	7.4	-	-	-	-	-	3	62	68	6	5	-
9	2	8	20.6	-	7.5	-	11.3	-	-	-	-	-	71	11	-	-
9	9	8	22.0	7.9	7.4	.7	-	.4	.7	.06	4	52	35	15	2	1100
9	15	8	20.0	-	7.9	-	-	-	-	-	-	59	71	15	-	-
9	22	8	-	-	6.8	-	-	-	-	-	3	54	62	7	-	-

PHS-2645-3
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE PENNSYLVANIA
MAJOR BASIN NORTH ATLANTIC
SUB BASIN DELAWARE-LEHIGH RIVERS
STATION LOCATION DELAWARE RIVER AT
EASTON, PENNSYLVANIA

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
4	15	8	7.7	-	7.0	-	-	-	-	-	2	12	34	3	5	280
4	25	8	14.4	-	7.0	-	-	-	-	-	5	16	34	5	10	200
5	2	8	12.8	-	7.2	-	-	-	-	-	7	17	34	5	10	4500
5	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	780
5	9	8	11.1	-	7.2	-	-	-	-	-	2	18	34	15	10	-
5	23	8	17.2	-	7.7	-	-	-	-	-	7	20	38	5	5	5800
6	20	8	19.1	-	7.7	-	-	-	-	-	-	35	52	5	10	400
7	11	8	-	-	-	-	-	-	-	-	-	-	-	-	-	200

PHS-2645-B
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE PENNSYLVANIA

MAJOR BASIN NORTH ATLANTIC

SUB BASIN DELAWARE-SCHUYLKILL RIVERS

STATION LOCATION DELAWARE RIVER M90 AT PHILADELPHIA, PENNSYLVANIA

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
11	4	7	-	-	-	-	-	-	-	-	-	-	-	-	-	18000
11	18	7	11.8	8.8	7.3	-	18.8	6.6	7.9	.80	15	51	72	28	32	5600
11	25	7	8.9	8.6	7.2	-	21.3	7.1	8.3	.72	14	50	73	40	31	3500
12	2	7	6.0	11.0	7.1	-	14.7	4.8	9.1	.80	14	36	72	30	35	3800
12	9	7	5.0	10.0	7.1	-	13.7	7.5	11.6	.40	11	37	66	28	70	-
12	10	7	-	-	-	-	-	-	-	-	-	-	-	-	-	10000
12	16	7	5.0	10.5	7.2	-	15.0	4.4	7.0	.68	9	33	62	100	40	-
12	23	7	6.0	6.3	7.1	-	30.7	7.8	10.1	.68	7	21	38	90	130	-
12	30	7	5.0	12.7	7.1	-	8.6	2.8	4.9	.14	8	15	40	60	45	-
1	6	8	6.0	10.8	7.1	-	11.4	3.9	6.1	.30	6	20	42	50	28	4400
1	13	8	.0	13.2	7.2	-	8.0	4.4	8.1	.44	8	34	62	60	40	36000
1	20	8	-	-	-	-	-	-	-	-	-	-	-	-	-	24000
1	21	8	2.0	7.2	7.2	-	10.2	4.7	7.3	.44	5	31	62	90	160	-
1	27	8	-	-	-	-	-	-	-	-	-	-	-	-	-	7200
1	28	8	3.0	7.8	7.2	-	14.7	6.3	7.7	.60	5	24	52	55	80	-
2	3	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2300
2	4	8	2.0	7.7	7.2	-	9.9	8.3	10.1	.30	10	26	46	44	66	-
2	10	8	2.0	13.7	7.3	-	20.4	6.3	8.0	.80	2	30	52	30	68	3700
2	18	8	.0	6.2	7.2	-	10.0	5.1	7.7	.68	7	36	66	27	39	6700
2	24	8	-	-	-	-	-	-	-	-	-	-	-	-	-	7200
2	25	8	1.0	12.4	7.3	-	13.3	6.6	8.9	.48	17	38	75	25	38	-
3	3	8	2.0	12.2	7.3	-	12.1	6.0	9.5	.60	4	26	56	28	180	6200
3	10	8	6.0	11.6	7.2	-	12.5	5.3	6.7	.58	5	28	52	30	40	8200
3	17	8	6.0	11.8	7.3	-	9.5	5.0	5.9	.80	6	30	46	35	30	6400
3	24	8	7.0	12.5	7.3	-	25.5	5.9	7.3	.50	11	31	48	55	32	4900
3	31	8	12.0	11.5	7.2	-	17.1	5.0	5.9	1.00	7	28	47	45	35	7300
4	7	8	12.0	12.5	7.2	-	15.5	4.3	5.0	.75	4	25	32	80	180	2800
4	14	8	14.0	10.8	7.1	-	12.8	4.7	5.3	.84	5	20	34	50	25	2270
4	21	8	14.0	10.0	7.1	-	6.1	3.8	4.7	.60	3	20	18	25	25	9300
4	28	8	15.0	8.8	7.1	-	12.3	4.9	5.8	.10	4	22	34	23	25	14000
5	5	8	15.0	10.0	7.1	-	11.2	5.3	6.1	.24	2	28	36	30	38	-
5	12	8	15.0	9.6	7.1	-	10.0	4.1	5.3	.06	4	29	72	25	32	9750
5	19	8	18.0	8.8	7.2	-	10.4	3.0	3.9	.28	4	32	42	35	28	-
5	26	8	18.0	8.4	7.2	-	8.7	2.8	3.3	.80	3	32	42	20	28	7400
6	2	8	19.0	7.2	7.2	-	14.1	2.8	3.7	2.00	4	36	94	25	25	-
6	9	8	21.0	8.0	7.1	-	57.0	5.7	8.1	1.00	4	34	60	18	30	-
6	16	8	20.0	7.0	7.1	-	7.2	3.8	4.6	1.20	7	43	66	20	25	16000
6	23	8	22.0	7.6	7.1	-	20.0	5.2	7.0	1.50	7	42	130	40	35	-
6	30	8	23.0	6.4	7.4	-	12.8	4.7	5.9	3.00	7	43	70	25	25	18000

PHS-2645-3
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE PENNSYLVANIA
MAJOR BASIN NORTH ATLANTIC
SUB BASIN DELAWARE-SCHUYLKILL RIVERS
STATION LOCATION DELAWARE RIVER M90 AT
PHILADELPHIA, PENNSYLVANIA

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
7	7	8	25.0	7.4	7.3	-	68.3	7.9	8.8	1.00	9	45	70	30	32	-
7	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	9400
7	14	8	26.0	7.0	7.4	-	12.2	5.0	6.2	.10	6	45	68	30	28	-
7	15	8	-	-	-	-	-	-	-	-	-	-	-	-	-	4900
7	21	8	28.0	6.0	7.2	-	11.9	4.1	5.5	.40	8	42	62	40	35	-
7	22	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1400
7	28	8	27.0	7.0	7.2	-	12.1	3.6	4.4	.24	5	44	60	40	30	18000
8	4	8	30.0	6.6	7.2	-	24.8	7.1	8.4	.26	7	44	68	45	35	4500
8	11	8	27.0	5.6	7.3	-	50.6	8.7	9.8	.24	6	44	70	40	26	5200
8	18	8	27.0	5.6	7.2	-	15.4	4.0	4.9	.28	7	42	60	60	55	30000
8	25	8	26.0	5.6	7.2	-	16.4	3.7	4.9	.28	7	41	66	60	28	1500
9	1	8	26.0	5.6	7.0	-	23.4	5.8	6.9	.35	8	39	58	60	35	-
9	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	25000
9	8	8	24.0	6.1	7.2	-	82.9	8.7	9.9	.15	12	41	61	50	38	1600
9	15	8	22.0	7.0	7.2	-	50.3	7.2	8.8	.22	15	41	72	40	28	13000
9	22	8	22.0	5.8	7.2	-	10.9	3.1	4.7	.20	10	43	70	40	32	5000
9	29	8	20.0	7.8	7.1	-	14.0	3.0	3.9	.45	8	46	66	50	45	3800

FWQ-5449-8
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE SOUTH CAROLINA
MAJOR BASIN SOUTHEAST
SUB BASIN SAVANNAH RIVER
STATION LOCATION SAVANNAH RIVER AT
NORTH AUGUSTA, SOUTH CAROLINA

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
2	3	8	5.5	-	6.9	-	-	-	-	-	-	16	12	-	30	-
2	10	8	7.7	-	6.9	-	-	-	-	-	-	16	12	-	45	-
2	17	8	2.7	-	6.9	-	-	-	-	-	-	12	8	-	30	100
2	24	8	7.7	-	7.0	-	-	-	-	-	-	15	14	-	30	80
3	3	8	10.0	-	6.7	-	-	-	-	-	-	15	16	-	55	210
3	10	8	11.1	-	6.9	-	16.4	-	-	-	-	16	10	-	55	550
3	17	8	11.1	-	6.7	-	-	-	-	-	-	16	15	-	35	95
3	24	8	11.1	-	6.8	-	-	-	-	-	-	18	14	-	30	45
3	31	8	12.2	-	6.9	-	-	-	-	-	5	16	13	-	45	450
4	8	8	15.0	-	6.7	-	-	-	-	-	0	14	12	25	85	1600
4	14	8	15.5	-	7.2	-	16.9	-	-	-	5	16	17	40	50	600
4	21	8	15.6	-	6.9	-	-	-	-	-	4	14	35	40	40	150
4	28	8	17.7	-	6.9	-	-	-	-	-	5	15	15	25	30	-
4	29	8	-	-	-	-	-	-	-	-	-	-	-	-	-	900
5	5	8	20.0	-	6.9	-	-	-	-	-	5	15	14	-	37	-
5	12	8	20.0	-	7.1	-	-	-	-	-	5	15	14	-	30	50
5	19	8	20.0	-	6.9	-	12.8	-	-	-	5	15	13	-	30	170
5	26	8	20.5	-	6.9	-	-	-	-	-	4	16	14	-	30	100
6	2	8	21.1	-	7.1	-	-	-	-	-	5	15	15	-	30	800
6	9	8	21.1	-	7.0	-	-	-	-	-	4	15	14	-	30	70
6	16	8	23.3	-	7.2	-	13.8	-	-	-	4	15	14	-	30	210
6	24	8	21.1	-	7.0	-	-	-	-	-	5	15	13	-	30	350
6	30	8	22.2	9.1	7.3	-	-	-	-	-	5	-	-	-	27	450
7	7	8	23.3	8.5	7.3	-	-	-	-	-	4	14	16	-	30	250
7	21	8	25.5	9.1	7.0	-	-	-	-	-	4	15	14	-	30	1200
7	29	8	23.3	-	7.0	-	-	-	-	-	5	15	14	-	-	250
8	4	8	24.4	9.2	6.9	-	-	-	-	-	5	15	12	-	25	250
8	11	8	25.5	8.8	6.9	-	-	-	-	-	5	15	14	-	25	130
8	18	8	24.4	8.4	7.0	-	9.6	-	-	-	5	16	14	-	20	310
8	25	8	24.4	8.9	7.1	-	-	-	-	-	4	14	13	-	25	6100
9	2	8	24.4	8.6	7.0	-	-	-	-	-	4	15	13	-	20	200
9	8	8	25.5	8.6	7.0	-	-	-	-	-	5	14	12	-	20	25
9	15	8	24.4	8.8	7.0	-	-	-	-	-	5	13	12	-	15	35
9	22	8	25.5	8.9	7.0	-	-	-	-	-	5	15	12	-	15	85
9	29	8	23.3	8.6	7.1	-	-	-	-	-	4	16	15	-	15	55

PHS-2045-3
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE SOUTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER M841 AT YANKTON, SOUTH DAKOTA

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
12	16	7	3.0	8.8	7.9	-	-	-	-	-	9	156	260	-	25	-
12	23	7	2.0	11.0	7.9	3.7	-	-	-	-	13	140	224	-	25	-
12	30	7	2.5	11.2	8.1	1.9	-	-	-	-	11	144	216	-	25	-
1	6	8	3.0	11.8	8.2	2.0	-	-	-	-	12	148	240	-	25	-
1	13	8	3.0	11.9	7.8	2.7	-	-	-	-	9	158	220	-	25	-
1	20	8	3.0	12.7	8.0	2.1	-	-	-	-	12	160	244	-	25	-
1	27	8	3.0	12.8	7.8	2.8	-	.4	2.9	-	13	156	244	-	25	*10
2	3	8	2.0	13.9	8.5	3.0	-	1.1	4.4	-	13	152	260	-	25	10
2	10	8	2.5	13.4	8.3	2.8	-	1.5	3.8	-	11	150	236	-	25	9
2	17	8	2.5	12.8	8.2	2.4	-	1.6	3.0	-	11	156	224	-	25	*10
2	24	8	3.5	13.3	8.3	2.7	-	1.8	4.1	.17	9	140	224	20	25	10
3	3	8	2.0	12.3	8.0	.9	16.0	1.6	4.0	.17	15	152	228	20	25	-
3	10	8	5.0	13.9	8.0	4.4	-	1.6	4.2	.02	11	140	224	25	25	-
3	17	8	3.0	11.1	8.4	1.3	-	1.4	3.8	.22	12	138	192	20	25	*10
3	31	8	3.5	10.7	7.9	1.8	-	2.5	5.6	.12	10	144	204	30	25	10
4	7	8	5.5	10.1	8.1	1.8	-	2.0	3.1	.35	10	132	184	80	40	*10
4	14	8	8.0	8.8	8.0	.8	17.6	1.5	2.3	.35	11	128	196	60	30	40
4	21	8	13.4	8.6	8.1	1.6	-	1.2	2.6	.25	12	148	216	60	30	10
4	28	8	9.8	9.2	8.1	1.5	-	1.1	2.7	.25	13	154	212	50	40	-
5	5	8	12.0	9.2	8.1	1.8	-	1.6	2.9	.20	11	128	196	60	30	10
5	12	8	14.0	8.3	7.9	1.5	36.6	1.7	2.1	.18	12	148	208	50	30	100
5	19	8	18.0	8.4	8.1	1.9	-	1.8	2.0	.20	12	144	208	50	30	10
5	26	8	18.0	7.9	7.9	1.8	-	1.9	3.1	.20	12	152	208	50	30	-
6	2	8	17.5	9.4	8.0	1.4	-	1.1	3.9	.20	12	144	224	40	30	-
6	9	8	20.2	9.0	8.3	1.6	22.4	1.0	3.9	.15	10	144	208	40	35	400
6	16	8	18.0	9.5	8.3	1.3	-	.9	2.4	.20	12	138	208	50	35	-
6	23	8	20.0	9.3	8.4	1.1	-	1.5	2.6	.15	12	136	212	50	35	-
6	30	8	21.5	8.7	8.4	1.7	-	.9	1.4	.15	13	136	216	50	30	-
7	7	8	24.0	8.5	8.4	1.2	20.8	.9	1.6	.15	13	140	216	60	30	-
7	14	8	23.5	7.7	8.2	1.0	-	1.0	1.5	.20	12	140	212	50	30	1200
7	21	8	22.0	3.1	8.3	.8	-	.9	2.1	.15	10	140	220	60	50	-
7	28	8	24.0	7.7	8.1	-	-	1.6	3.0	.15	13	142	224	60	50	-
8	4	8	26.0	8.1	8.2	-	22.0	1.4	2.9	.15	12	138	212	50	50	-
8	11	8	26.0	7.2	8.1	-	-	1.3	2.4	.15	13	140	220	40	20	2200
8	18	8	26.0	7.6	8.3	.9	-	1.6	2.1	.20	14	148	244	40	20	60
8	25	8	22.5	8.4	8.2	1.1	-	1.6	3.4	.15	13	150	212	50	40	27
9	2	8	24.5	8.6	8.4	1.1	-	1.4	3.2	.15	13	156	236	50	50	10
9	8	8	22.5	8.5	8.2	1.2	-	1.1	2.8	.12	14	156	244	50	25	30
9	15	8	22.5	8.3	8.3	.8	10.0	.9	1.9	.12	8	158	236	50	25	130
9	22	8	20.5	8.8	8.3	1.2	-	.9	1.7	.15	13	158	232	50	25	130
9	29	8	19.0	9.0	8.3	.6	-	.6	1.0	.18	12	156	216	40	40	410

PHS-2048-2
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

NOTE: Results may be influenced by discharge from South Chickamauga Creek.

STATE TENNESSEE

MAJOR BASIN TENNESSEE RIVER

SUB BASIN TENNESSEE MAIN STEM & MINOR TRIB.

STATION LOCATION TENNESSEE RIVER M465.3 TVA AT CHATTANOOGA, TENNESSEE (SEE NOTE)

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
3	12	8	8.4	11.1	7.3	1.9	2.7	2.7	4.9	.04	7	50	66	8	20	110
3	18	8	-	-	-	-	-	-	-	-	-	-	-	-	-	250
3	19	8	8.9	10.6	7.2	1.6	4.2	2.5	4.8	.00	7	53	72	9	64	-
3	25	8	-	-	-	-	-	-	-	-	-	-	-	-	-	230
3	26	8	-	10.6	-	2.2	9.0	2.1	3.4	.04	-	-	-	-	-	-
4	1	8	-	-	-	-	-	-	-	-	-	-	-	-	-	380
4	2	8	10.1	10.1	7.3	1.4	2.5	2.4	3.4	.04	6	53	68	7	22	-
4	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1200
4	9	8	12.3	9.8	7.3	1.4	2.9	1.4	3.2	.00	4	46	64	8	40	-
4	16	8	12.9	9.8	7.3	1.2	6.5	1.5	3.5	.05	4	52	66	7	22	-
4	22	8	-	-	-	-	-	-	-	-	-	-	-	-	-	220
4	23	8	14.0	8.3	7.3	2.7	7.2	2.6	5.1	.00	4	48	58	7	22	-
4	29	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1500
4	30	8	16.2	7.7	7.2	2.3	9.7	2.5	5.2	.00	2	41	46	17	85	-
5	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	*12
5	7	8	16.2	8.0	7.3	1.7	8.4	2.6	5.1	.00	3	56	64	7	81	-
5	12	8	-	-	-	-	-	-	-	-	-	-	-	-	-	44
5	14	8	17.4	8.4	7.3	1.4	5.5	1.7	7.0	.02	4	47	52	7	34	-
5	20	8	-	-	-	-	-	-	-	-	-	-	-	-	-	*8
5	22	8	-	7.7	-	1.6	4.8	1.2	3.9	.09	-	-	-	-	-	-
5	27	8	-	-	-	-	-	-	-	-	-	-	-	-	-	*11
5	28	8	20.7	7.9	7.4	1.2	2.2	1.6	4.9	.04	3	58	66	3	20	-
6	3	8	-	-	-	-	-	-	-	-	-	-	-	-	-	*3
6	4	8	22.4	7.5	7.5	1.4	6.2	1.2	3.4	.02	6	56	68	3	18	-
6	10	8	-	-	-	-	-	-	-	-	-	-	-	-	-	*3
6	11	8	-	7.3	-	1.4	6.1	1.8	5.2	.10	-	-	-	-	-	-
6	17	8	-	-	-	-	-	-	-	-	-	-	-	-	-	6
6	18	8	23.5	7.0	7.5	1.5	5.0	1.9	4.0	.00	8	55	70	2	18	-
6	24	8	-	-	-	-	-	-	-	-	-	-	-	-	-	*1
6	25	8	23.5	7.1	7.5	1.1	5.3	1.8	4.0	.15	10	56	72	2	18	-
7	1	8	-	-	-	-	-	-	-	-	-	-	-	-	-	4
7	2	8	23.5	7.1	7.5	2.3	3.7	1.0	5.3	.00	9	58	72	2	18	-
7	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	*3
7	9	8	23.5	6.3	7.5	1.3	5.0	1.5	4.0	.00	9	59	74	2	18	-
7	15	8	-	-	-	-	-	-	-	-	-	-	-	-	-	4
7	16	8	23.5	6.2	7.5	.9	4.0	1.2	3.6	.00	9	55	78	2	20	-
7	22	8	-	-	-	-	-	-	-	-	-	-	-	-	-	410
7	23	8	24.8	5.4	7.6	1.1	5.9	1.3	4.5	.09	11	53	64	6	60	-
7	30	8	25.2	6.1	7.5	1.3	4.2	1.0	2.9	.04	10	56	70	2	18	-

PHS-2649-S
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: TENNESSEE
MAJOR BASIN: TENNESSEE RIVER
SUB BASIN: TENNESSEE MAIN STEM & MINOR TRIB.
STATION LOCATION: TENNESSEE RIVER M465.3 TVA AT CHATTANOOGA, TENNESSEE (SEE NOTE)

NOTE: Results may be influenced by discharge from South Chickamauga Creek.

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
8	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	*3
8	6	8	25.8	5.8	7.4	1.9	6.2	1.9	4.4	.00	10	54	68	2	20	-
8	12	8	-	-	-	-	-	-	-	-	-	-	-	-	-	*3
8	13	8	25.8	5.3	7.3	2.2	11.5	1.4	3.7	.00	11	54	74	2	20	-
8	20	8	26.3	5.7	7.4	1.3	5.5	1.5	3.1	.00	10	53	66	2	20	-
8	26	8	-	-	-	-	-	-	-	-	-	-	-	-	-	*3
8	27	8	24.8	6.1	7.4	1.0	6.6	1.1	3.0	.00	10	57	68	2	20	-
9	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	4
9	3	8	24.8	6.3	7.5	1.1	6.1	1.2	3.4	.04	10	58	72	2	20	-
9	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	*3
9	10	8	23.5	6.4	7.5	1.0	6.9	1.4	3.3	.00	11	59	66	2	20	-
9	15	8	-	-	-	-	-	-	-	-	-	-	-	-	-	*3
9	17	8	23.5	6.4	7.5	.6	6.5	1.5	4.0	.16	14	58	72	2	20	-
9	23	8	-	-	-	-	-	-	-	-	-	-	-	-	-	15
9	24	8	23.5	6.6	7.5	1.1	13.4	1.6	3.8	.00	14	56	72	3	25	-
9	30	8	-	6.7	7.5	1.6	16.4	1.5	3.9	.08	13	59	76	2	20	*3

PHS-2845-3
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE TEXAS
MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN LOWER RED RIVER BELOW DENISON
STATION LOCATION RED RIVER AT
DENISON, TEXAS

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							

NO RESULTS AVAILABLE

PHS-2645-3
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE TEXAS
MAJOR BASIN WESTERN GULF
SUB BASIN RIO GRANDE-UPPER-ABOVE PECOS
STATION LOCATION RIO GRANDE RIVER AT EL PASO, TEXAS

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
3	31	8	15.3	8.0	8.5	1.7	-	2.4	4.9	-	77	145	264	-	580	2000
4	7	8	15.0	8.4	8.4	1.9	-	1.9	4.4	-	75	145	274	-	540	750
4	14	8	18.8	7.5	8.5	.9	-	1.9	4.7	-	72	146	270	-	400	3900
4	21	8	18.4	7.0	8.6	.7	-	1.4	4.4	-	62	147	260	-	380	1780
4	28	8	20.0	7.5	8.4	.7	-	2.2	5.6	-	71	145	266	-	315	580
5	5	8	19.5	7.7	8.5	.8	-	1.7	5.8	-	72	146	260	-	320	560
5	12	8	20.4	6.9	8.2	.7	-	1.7	4.8	-	65	139	258	-	280	9000
5	19	8	20.0	7.6	8.4	.7	-	2.9	5.6	-	74	147	264	-	420	1600
5	26	8	24.5	7.1	8.5	.7	20.4	1.9	6.9	-	75	146	266	-	220	890
6	2	8	24.5	6.9	8.5	.7	-	1.7	5.9	-	75	143	260	-	250	3100
6	9	8	24.5	6.9	8.6	.7	18.4	2.0	6.8	-	66	147	266	-	370	*77
6	17	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1700
6	19	8	25.5	6.9	8.4	.7	-	2.9	6.9	-	78	162	288	-	215	-
6	23	8	31.0	6.1	8.3	.6	-	2.6	6.7	-	74	147	312	-	295	990
6	30	8	27.0	6.8	8.2	.6	-	2.9	6.9	-	81	150	284	-	215	-
7	7	8	25.2	6.7	8.3	1.9	-	1.9	6.7	-	75	144	276	-	260	6900
7	14	8	28.8	6.1	8.3	.9	-	2.6	6.6	-	73	147	280	-	275	8000
7	21	8	28.2	6.1	8.5	2.0	-	1.9	5.7	-	75	153	276	-	440	12000
7	28	8	26.3	6.6	8.6	1.1	20.3	1.7	4.7	-	78	145	272	-	210	6600
8	4	8	30.1	6.8	8.5	1.4	-	1.9	5.7	-	83	160	276	-	300	1300
8	11	8	29.5	6.8	8.6	1.4	24.3	1.9	5.7	-	70	157	297	-	220	45000
8	18	8	28.9	6.7	8.0	.6	-	2.9	5.9	-	70	151	264	-	170	20000
8	25	8	27.2	6.7	8.1	1.6	-	2.7	5.9	-	78	145	266	-	1000	-
8	26	8	-	-	-	-	-	-	-	-	-	-	-	-	-	75000
9	2	8	30.0	7.2	8.3	1.9	-	2.9	5.7	-	76	161	278	-	185	11000
9	8	8	27.2	7.0	8.1	2.0	18.3	2.7	5.9	-	78	157	275	-	245	57000
9	15	8	26.9	7.1	7.9	2.2	-	1.9	5.7	-	78	121	233	-	2800	150000
9	22	8	23.0	7.7	8.2	2.5	-	2.7	5.9	-	76	164	272	-	900	-
9	29	8	23.0	7.6	8.3	3.0	-	2.9	5.7	-	80	210	354	-	240	-

PHS-2649-3
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE TEXAS
MAJOR BASIN WESTERN GULF
SUB BASIN RIO GRANDE-LOWER-BELOW PECOS
STATION LOCATION RIO GRANDE RIVER AT LAREDO, TEXAS

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
11	19	7	18.0	-	8.2	-	-	-	-	-	160	161	326	-	420	-
11	25	7	-	-	-	-	-	-	-	-	-	-	-	-	-	160
11	26	7	12.0	-	8.2	-	-	-	-	-	155	136	302	-	120	-
12	2	7	-	-	-	-	-	-	-	-	-	-	-	-	-	63
12	3	7	13.0	-	8.2	-	-	-	-	-	145	150	308	-	90	-
12	10	7	13.1	-	8.1	-	-	-	-	-	145	152	308	-	57	60
12	17	7	15.5	-	8.2	-	-	-	-	-	140	155	314	-	46	-
12	24	7	19.0	-	8.1	-	-	-	-	-	120	133	274	-	700	-
1	7	8	10.5	-	8.0	-	-	-	-	-	66	98	170	-	820	5700
1	14	8	13.8	-	8.2	-	-	-	-	-	135	157	306	-	90	200
1	21	8	13.0	-	8.2	-	-	-	-	-	145	154	316	-	57	15
1	28	8	15.0	-	8.3	-	-	-	-	-	175	150	334	-	60	5
2	3	8	-	-	-	-	-	-	-	-	-	-	-	-	-	40
2	4	8	15.5	-	8.3	-	-	-	-	-	160	149	314	-	33	-
2	11	8	14.0	-	8.2	-	-	-	-	-	160	149	316	-	20	40
2	18	8	12.0	-	8.2	-	-	-	-	-	165	150	326	-	23	80
2	25	8	15.5	-	8.3	-	-	-	-	-	140	145	290	-	112	700
3	4	8	16.0	-	8.3	-	-	-	-	-	92	157	252	-	220	250
3	11	8	18.0	-	8.2	-	-	-	-	-	145	153	306	-	240	1300
3	18	8	16.0	-	8.4	-	-	-	-	-	150	151	318	-	210	-
3	25	8	17.5	-	8.3	-	-	-	-	-	155	141	305	-	135	350
4	1	8	20.8	-	8.2	-	-	-	-	-	160	142	300	-	102	250
4	8	8	21.0	-	8.2	-	-	-	-	-	185	131	302	-	99	1200
4	15	8	22.0	-	8.1	-	-	-	-	-	190	126	310	-	97	400
4	22	8	24.5	-	8.3	-	-	-	-	-	195	130	306	-	70	120
4	29	8	26.0	-	8.3	-	-	-	-	-	180	129	280	-	80	200
5	6	8	25.8	-	8.3	-	-	-	-	-	155	135	274	-	130	200
5	13	8	26.0	-	8.3	-	-	-	-	-	115	127	234	-	130	300
5	20	8	25.0	-	8.0	-	-	-	-	-	115	108	214	-	1450	6000
5	27	8	29.5	-	8.3	-	-	-	-	-	100	145	246	-	190	330
6	3	8	28.1	-	8.3	-	-	-	-	-	130	131	252	-	108	600
6	10	8	28.8	-	8.3	-	-	-	-	-	150	124	278	-	85	950
6	17	8	29.0	-	8.3	-	-	-	-	-	150	123	252	-	53	890
6	24	8	29.8	-	8.1	-	-	-	-	-	42	120	166	-	350	2000
7	1	8	28.5	-	8.3	-	-	-	-	-	70	144	246	-	1160	1700
7	8	8	28.8	-	8.1	-	-	-	-	-	78	115	212	-	1020	17000
7	15	8	28.1	-	8.3	-	-	-	-	-	64	136	198	-	450	380
7	22	8	29.2	-	8.3	-	-	-	-	-	72	129	214	-	68	86
7	29	8	28.5	-	8.2	-	-	-	-	-	92	122	212	-	40	190

PHS-2849-5
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE TEXAS
MAJOR BASIN WESTERN GULF
SUB BASIN RIO GRANDE-LOWER-BELOW PECOS
STATION LOCATION RIO GRANDE RIVER AT LAREDO, TEXAS

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
8	5	8	29.0	-	8.2	-	-	-	-	-	95	125	208	-	55	430
8	12	8	28.5	-	8.3	-	-	-	-	-	52	137	216	-	620	1800
8	19	8	30.2	-	8.3	-	-	-	-	-	76	142	222	-	270	1400
8	26	8	29.0	-	8.3	-	-	-	-	-	76	138	236	-	330	1100
9	2	8	28.0	-	8.3	-	-	-	-	-	86	139	236	-	350	180
9	9	8	28.0	-	8.2	-	-	-	-	-	64	127	238	-	2300	19000
9	16	8	28.0	-	8.2	-	-	-	-	-	20	130	170	-	1500	7200
9	23	8	27.0	-	8.1	-	-	-	-	-	22	113	156	-	4900	37000
9	29	8	-	-	-	-	-	-	-	-	-	-	-	-	-	83000
9	30	8	25.0	-	8.1	-	-	-	-	-	10	107	120	-	6600	-

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PHS-2645-5
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE WASHINGTON
MAJOR BASIN PACIFIC NORTHWEST
SUB BASIN MIDDLE & LOWER SNAKE RIVER
STATION LOCATION COLUMBIA RIVER AT PASCO, WASHINGTON

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
11	4	7	13.3	-	8.2	-	-	-	-	-	-	60	70	5	1	-
11	12	7	13.3	-	8.2	-	-	1.0	1.5	-	-	60	72	5	1	-
11	18	7	12.2	-	8.2	-	-	.8	1.0	-	-	59	76	5	1	-
11	25	7	12.2	-	8.0	-	-	.8	1.5	-	-	62	74	5	1	60
12	2	7	10.0	9.9	8.1	-	-	.5	1.0	-	-	63	74	4	12	24
12	9	7	9.5	10.7	8.1	-	-	1.0	1.0	-	-	61	79	3	2	120
12	16	7	9.5	10.0	8.1	-	-	.5	1.0	-	-	65	83	5	3	70
12	23	7	8.9	10.2	8.1	-	-	.5	1.0	-	-	61	76	5	4	-
12	30	7	7.8	10.6	8.1	-	-	.8	1.0	-	-	62	79	4	4	-
1	6	8	7.2	10.8	8.1	1.6	-	.8	.8	-	-	64	80	3	2	46
1	13	8	6.7	10.8	8.1	1.6	-	.8	.8	-	-	63	78	5	4	80
1	20	8	6.7	11.1	8.1	1.8	-	.5	.8	-	-	60	80	5	2	40
1	27	8	7.8	10.6	8.1	1.6	-	.5	1.0	-	-	65	79	3	3	4800
2	3	8	7.6	9.5	8.1	1.4	-	.8	1.3	-	-	61	80	4	3	-
2	10	8	7.2	10.8	8.1	1.7	-	.8	1.3	-	-	64	80	5	3	63
2	17	8	6.7	10.8	8.0	1.7	-	.5	1.0	-	-	77	82	3	5	-
2	24	8	7.8	11.1	8.2	2.6	-	.8	1.0	-	-	62	82	6	6	26
3	3	8	6.7	11.7	8.0	2.7	-	.8	1.0	-	-	60	80	5	5	-
3	10	8	6.7	-	8.0	-	-	.8	1.0	-	-	78	84	3	4	26
3	17	8	6.1	11.8	8.1	2.4	7.2	1.0	1.8	-	-	68	82	15	8	-
3	24	8	7.8	11.1	8.0	2.0	-	1.3	1.3	-	-	62	81	9	13	-
3	31	8	7.8	11.1	8.0	2.0	-	1.0	1.0	-	-	68	78	6	7	-
4	7	8	8.9	10.8	7.9	2.6	-	1.5	1.8	-	-	62	78	15	12	84
4	14	8	10.0	10.8	8.0	1.6	-	1.0	1.2	-	-	61	79	5	5	-
4	21	8	10.0	10.8	7.9	1.8	7.0	.8	1.3	-	-	58	78	3	3	30
4	28	8	10.0	11.0	8.1	2.0	-	1.3	1.5	-	-	61	76	12	5	13
5	4	8	11.0	11.0	8.1	1.6	-	1.5	1.8	-	-	61	80	12	4	-
5	11	8	13.0	10.3	8.0	1.3	-	1.5	1.8	-	-	60	78	5	4	-
5	18	8	12.0	9.0	7.9	1.0	-	1.3	1.8	-	-	57	68	12	10	-
5	26	8	15.0	10.1	8.0	1.9	5.5	1.3	2.3	-	-	43	60	18	12	-
6	2	8	14.0	9.5	7.8	1.4	-	1.3	2.0	-	-	50	60	15	12	-
6	9	8	15.0	9.7	8.0	1.2	-	1.3	1.8	-	-	52	62	12	5	-
6	16	8	17.0	9.8	8.2	1.5	-	-	-	-	-	53	56	12	6	-
6	23	8	19.0	9.0	8.2	1.0	-	1.0	1.5	-	-	56	58	7	5	-
6	30	8	12.0	9.6	7.9	1.1	-	-	-	-	-	54	60	12	5	-
7	7	8	18.0	8.9	8.0	.3	11.9	1.0	1.5	-	-	58	64	10	4	-
7	14	8	18.0	7.6	8.2	.6	-	2.0	2.5	-	-	60	60	15	6	-
7	16	8	-	-	-	-	-	-	-	-	-	-	-	-	-	183
7	21	8	19.0	8.9	8.1	1.2	-	-	-	-	-	-	-	10	5	-

PHS-2045-3
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE WASHINGTON
MAJOR BASIN PACIFIC NORTHWEST
SUB BASIN MIDDLE & LOWER SNAKE RIVER
STATION LOCATION COLUMBIA RIVER AT PASCO, WASHINGTON

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
7	22	8	-	-	-	-	-	-	-	-	-	-	-	-	-	180
7	28	8	21.0	8.7	8.0	.9	-	2.0	3.0	-	-	58	64	8	5	-
7	29	8	-	-	-	-	-	-	-	-	-	-	-	-	-	81
8	4	8	21.0	8.9	8.0	1.6	-	1.5	3.0	-	-	55	60	10	5	-
8	11	8	22.0	9.3	8.3	1.0	13.4	1.5	3.0	-	-	60	68	11	5	-
8	18	8	21.0	8.8	8.2	.6	-	1.0	3.0	-	-	56	68	8	3	-
8	25	8	22.0	8.9	8.2	.6	-	1.5	2.0	-	-	58	70	8	3	-
9	1	8	21.0	8.9	8.2	.6	-	1.5	2.0	-	-	60	74	6	4	-
9	8	8	20.0	8.7	8.1	.4	-	.8	1.5	-	-	59	70	8	4	-
9	15	8	20.0	9.0	7.9	.5	-	.8	1.5	-	-	56	70	7	3	-
9	22	8	18.5	8.5	8.0	.3	8.2	.8	1.5	-	-	60	70	10	3	-
9	29	8	18.0	8.8	8.0	.3	-	.8	1.0	-	-	62	74	7	3	-

PHS-2047-S
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE WASHINGTON
MAJOR BASIN PACIFIC NORTHWEST
SUB BASIN MIDDLE AND LOWER SNAKE RIVER
STATION LOCATION SNAKE RIVER AT
WAWAWAI, WASHINGTON

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
8	4	8	23.5	10.3	8.2	2.8	7.0	.4	3.3	-	12	105	98	-	7	1900
8	11	8	26.2	8.8	8.6	1.8	7.0	1.0	5.5	.12	13	110	108	5	6	860
8	18	8	24.8	9.7	8.6	3.8	9.6	1.3	6.2	.09	14	117	109	20	12	530
8	25	8	24.9	9.8	8.7	2.7	10.8	.9	5.3	.09	11	100	94	25	12	200
9	2	8	23.0	10.1	9.0	2.5	11.2	.9	4.5	.08	5	85	78	20	10	70
9	8	8	21.5	8.7	8.4	1.7	6.9	.9	3.3	.08	20	135	134	15	6	1400
9	15	8	20.4	10.8	8.6	2.1	7.5	1.1	3.5	-	13	128	123	-	6	660
9	22	8	17.6	9.7	8.5	1.4	7.3	.7	2.4	.09	15	131	125	15	4	2500
9	29	8	17.6	10.2	8.6	1.1	6.2	.8	3.4	.03	16	132	129	20	5	650

PHS-2645-B
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: WEST VIRGINIA
MAJOR BASIN: OHIO RIVER
SUB BASIN: OHIO RIVER MAIN STEM & MINOR TRIB.
STATION LOCATION: OHIO RIVER AT HUNTINGTON, WEST VIRGINIA

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
11	6	7	10.0	-	7.3	-	-	-	-	-	56	38	152	-	20	-
11	13	7	10.8	-	7.5	-	-	-	-	-	73	33	226	-	20	-
11	20	7	9.0	-	7.3	-	-	-	-	-	86	39	263	-	75	-
11	27	7	7.8	-	7.4	-	-	-	-	-	38	35	141	-	55	-
12	4	7	7.2	-	7.3	-	-	-	-	-	46	34	173	-	33	-
12	11	7	4.5	-	7.2	-	-	-	-	-	23	35	121	-	440	-
12	18	7	5.6	-	7.1	-	-	-	-	-	17	25	95	-	43	-
12	26	7	8.3	-	7.3	-	-	-	-	-	17	27	92	-	270	-
1	8	8	2.8	-	7.2	-	-	-	-	-	15	26	55	-	27	-
1	13	8	-	-	-	-	-	-	-	-	-	-	-	-	-	860
1	20	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1400
1	22	8	2.7	-	7.2	-	-	-	-	-	20	24	87	-	160	-
1	27	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2300
1	29	8	3.3	-	7.1	-	-	-	-	-	15	20	78	-	190	-
2	3	8	-	-	-	-	-	-	-	-	-	-	-	-	-	3800
2	5	8	2.8	-	7.1	-	-	-	-	-	13	24	82	-	90	-
2	10	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1600
2	12	8	1.7	-	7.0	-	-	-	-	-	11	23	55	-	93	-
2	17	8	-	-	-	-	-	-	-	-	-	-	-	-	-	660
2	19	8	.6	-	6.9	-	-	-	-	-	23	25	107	30	30	-
2	24	8	-	-	-	-	-	-	-	-	-	-	-	-	-	240
2	26	8	3.9	-	7.2	-	-	-	-	-	27	27	130	45	25	-
3	3	8	-	-	-	-	-	-	-	-	-	-	-	-	-	4200
3	5	8	4.4	-	6.9	-	-	-	-	-	16	20	106	40	160	-
3	10	8	-	-	-	-	-	-	-	-	-	-	-	-	-	5600
3	12	8	4.5	-	7.1	-	-	-	-	-	17	17	92	35	37	-
3	17	8	-	-	-	-	-	-	-	-	-	-	-	-	-	3600
3	19	8	4.4	-	7.1	-	-	-	-	-	19	24	94	35	47	-
3	24	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2000
3	26	8	5.5	-	7.0	-	-	-	-	-	17	28	88	20	133	-
3	31	8	-	-	-	-	-	-	-	-	-	-	-	-	-	3000
4	2	8	6.6	-	7.1	-	-	-	-	-	8	23	70	50	260	-
4	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2300
4	9	8	8.8	-	7.2	-	-	-	-	-	9	21	61	50	125	-
4	14	8	-	-	-	-	-	-	-	-	-	-	-	-	-	6400
4	16	8	8.4	-	7.2	-	19.8	-	-	-	14	25	80	30	80	-
4	21	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1700
4	23	8	13.3	-	7.2	-	-	-	-	-	13	24	72	30	83	-
4	28	8	-	-	-	-	-	-	-	-	-	-	-	-	-	7800

PHS-2645 S
11-67

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: WEST VIRGINIA
MAJOR BASIN: OHIO RIVER
SUB BASIN: OHIO RIVER MAIN STEM & MINOR TRIB.
STATION LOCATION: OHIO RIVER AT
HUNTINGTON, WEST VIRGINIA

DATE OF SAMPLE MONTH	DAY	YEAR	TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
4	30	8	13.9	-	7.2	-	-	-	-	-	11	23	61	60	390	-
5	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	4900
5	7	8	12.2	-	7.2	-	-	-	-	.20	11	27	72	50	390	-
5	12	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2200
5	14	8	15.2	-	7.3	-	23.8	-	-	.55	10	25	70	30	200	-
5	19	8	-	-	-	-	-	-	-	-	-	-	-	-	-	500
5	21	8	17.7	-	7.3	-	-	-	-	.45	15	35	100	15	65	-
5	26	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1600
5	28	8	20.9	-	7.4	-	-	-	-	.30	20	28	112	30	40	-
6	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	760
6	4	8	21.1	-	7.5	-	-	-	-	.40	27	33	108	10	25	-
6	9	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2700
6	11	8	24.8	-	7.5	-	40.7	-	-	.50	30	38	147	20	30	-
6	16	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2000
6	18	8	23.1	-	7.5	-	-	-	-	.60	30	42	140	55	80	-
6	23	8	-	-	-	-	-	-	-	-	-	-	-	-	-	700
6	25	8	22.6	-	7.5	-	-	-	-	.35	35	35	122	15	30	-
6	30	8	-	-	-	-	-	-	-	-	-	-	-	-	-	60
7	2	8	23.7	-	7.6	-	-	-	-	.55	27	30	108	10	23	-
7	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2900
7	9	8	26.1	-	7.2	-	15.0	-	-	.75	35	28	144	10	62	-
7	14	8	-	-	-	-	-	-	-	-	-	-	-	-	-	3100
7	16	8	24.4	-	7.1	-	-	-	-	.55	19	31	111	20	240	-
7	21	8	-	-	-	-	-	-	-	-	-	-	-	-	-	9000
7	23	8	22.7	-	7.1	-	-	-	-	.30	14	28	87	20	250	-
7	28	8	-	-	-	-	-	-	-	-	-	-	-	-	-	3300
7	30	8	20.4	-	6.9	-	-	-	-	.50	10	22	85	30	155	-
8	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	7400
8	6	8	22.7	-	7.2	-	69.0	-	-	.40	10	31	76	60	550	-
8	11	8	-	-	-	-	-	-	-	-	-	-	-	-	-	7600
8	13	8	23.3	-	7.3	-	-	-	-	.20	16	29	83	20	180	-
8	18	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1200
8	20	8	24.4	-	7.4	-	-	-	-	.45	20	29	90	15	70	-
8	25	8	-	-	-	-	-	-	-	-	-	-	-	-	-	6400
8	27	8	21.1	-	7.3	-	-	-	-	.40	33	38	120	10	70	-
9	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	900
9	3	8	24.4	-	7.3	-	-	-	-	.40	31	39	142	5	19	-
9	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	460
9	10	8	24.4	-	7.2	-	18.0	-	-	.60	34	35	138	5	45	-

PHS 2445.3
11-57

WATER QUALITY BASIC DATA - WEEKLY REPORT

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: WEST VIRGINIA
MAJOR BASIN: OHIO RIVER
SUB BASIN: OHIO RIVER MAIN STEM & MINOR TRIB.
STATION LOCATION: OHIO RIVER AT HUNTINGTON, WEST VIRGINIA

DATE OF SAMPLE			TEMPERATURE (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	BIOCHEMICAL OXYGEN DEMAND (B.O.D.) mg/l	CHEMICAL OXYGEN DEMAND (C.O.D.) mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l							
9	15	8	-	-	-	-	-	-	-	-	-	-	-	-	-	10
9	17	8	22.2	-	7.3	-	-	-	-	.60	42	35	148	15	25	-
9	22	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1200
9	24	8	21.1	-	7.3	-	-	-	-	.30	50	38	170	10	47	-
9	29	8	20.0	-	7.0	-	-	-	-	.35	47	41	158	15	27	100

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